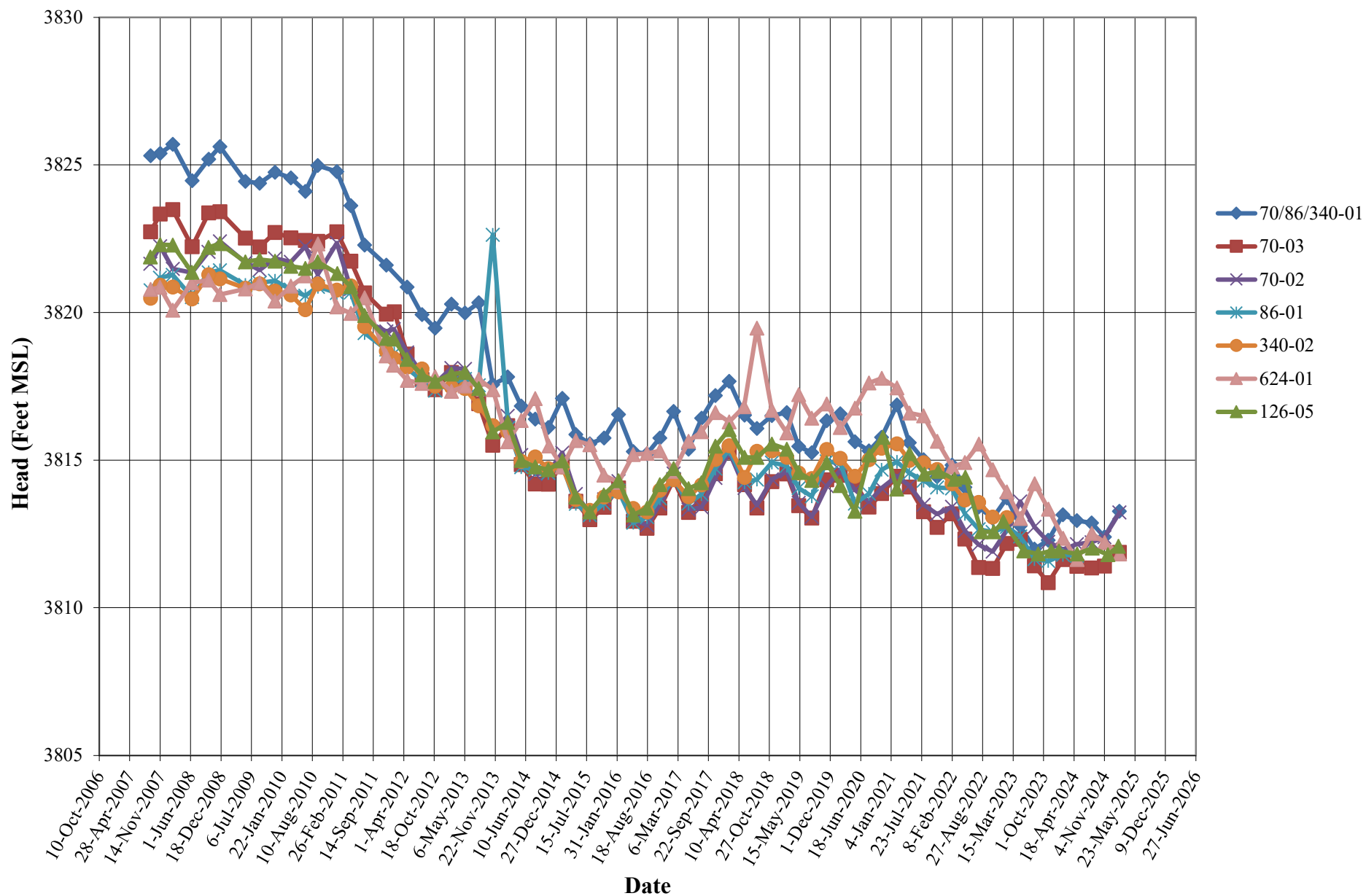


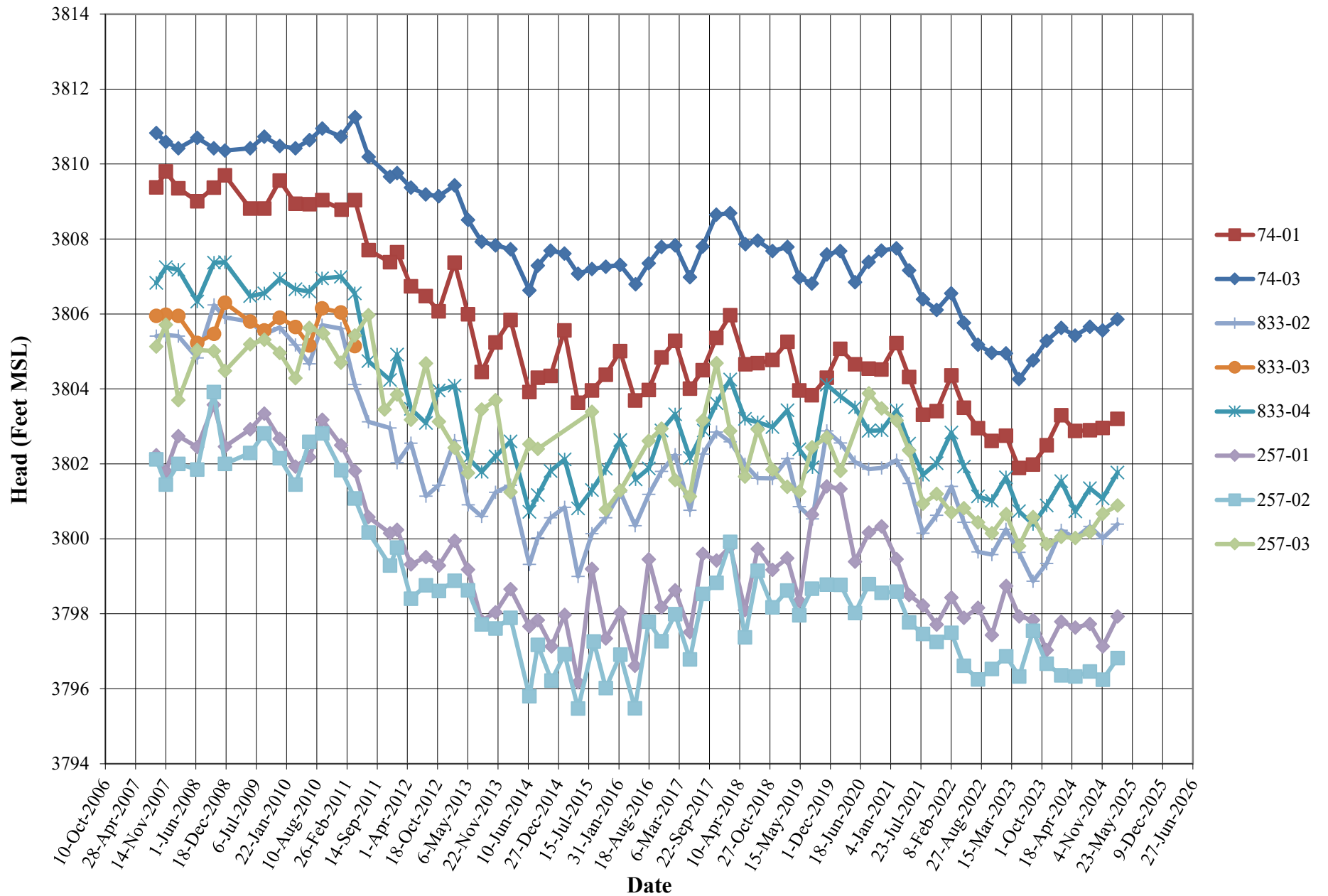
APPENDIX D

HYDROGRAPHS

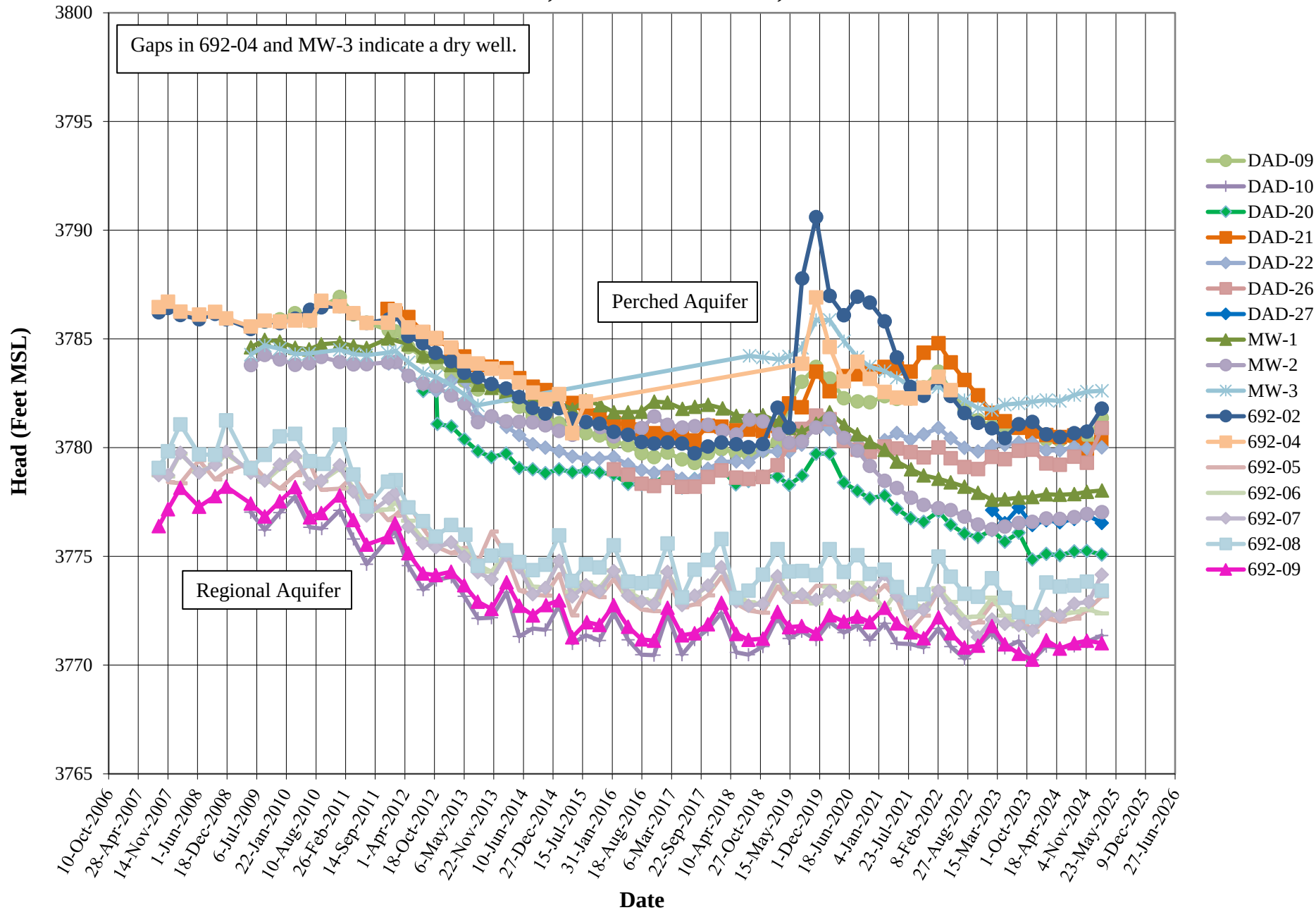
**HYDROGRAPHS FOR SELECT DP MONITORING WELLS NORTHERN PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**HYDROGRAPHS FOR SELECT DP MONITORING WELLS CENTRAL PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



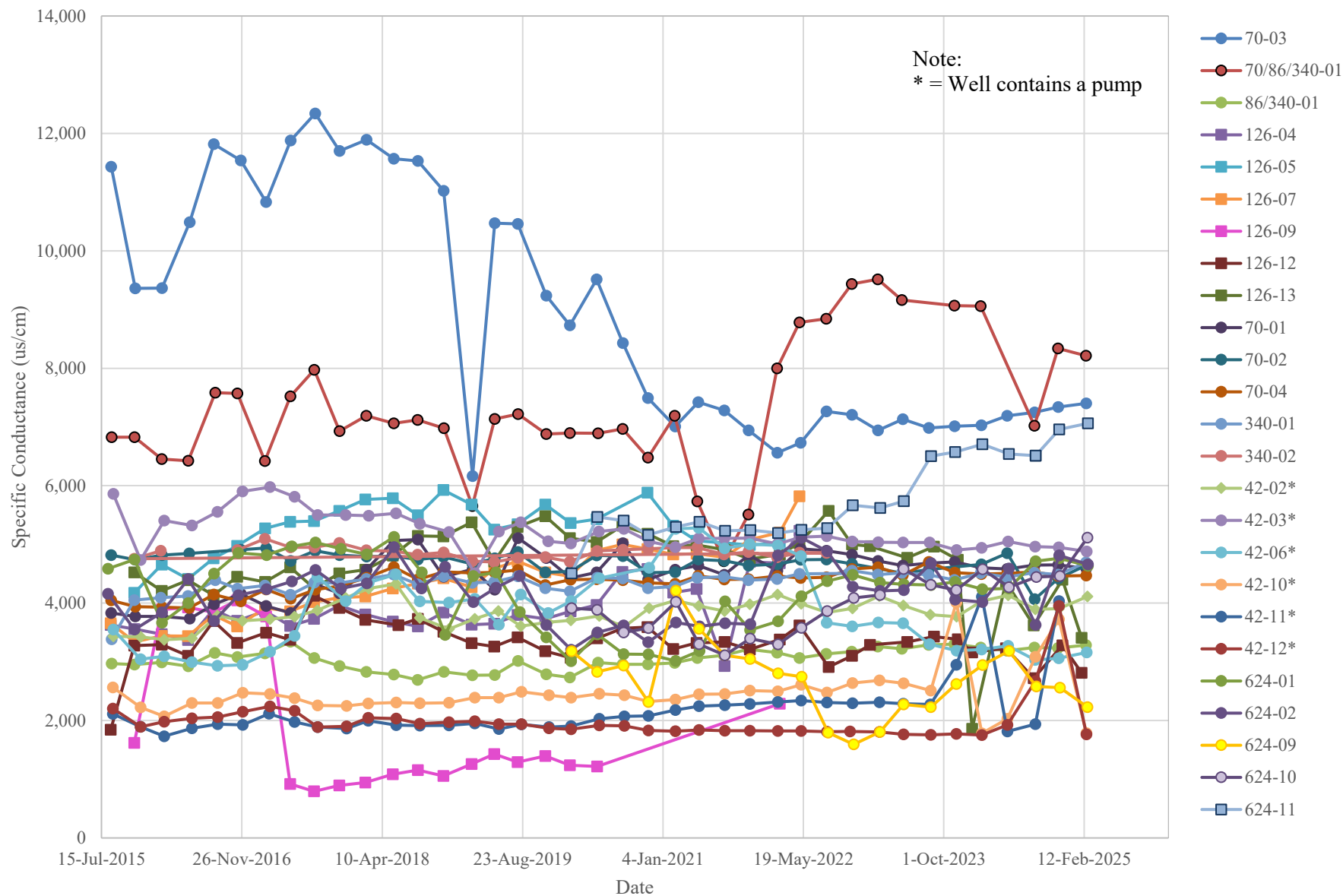
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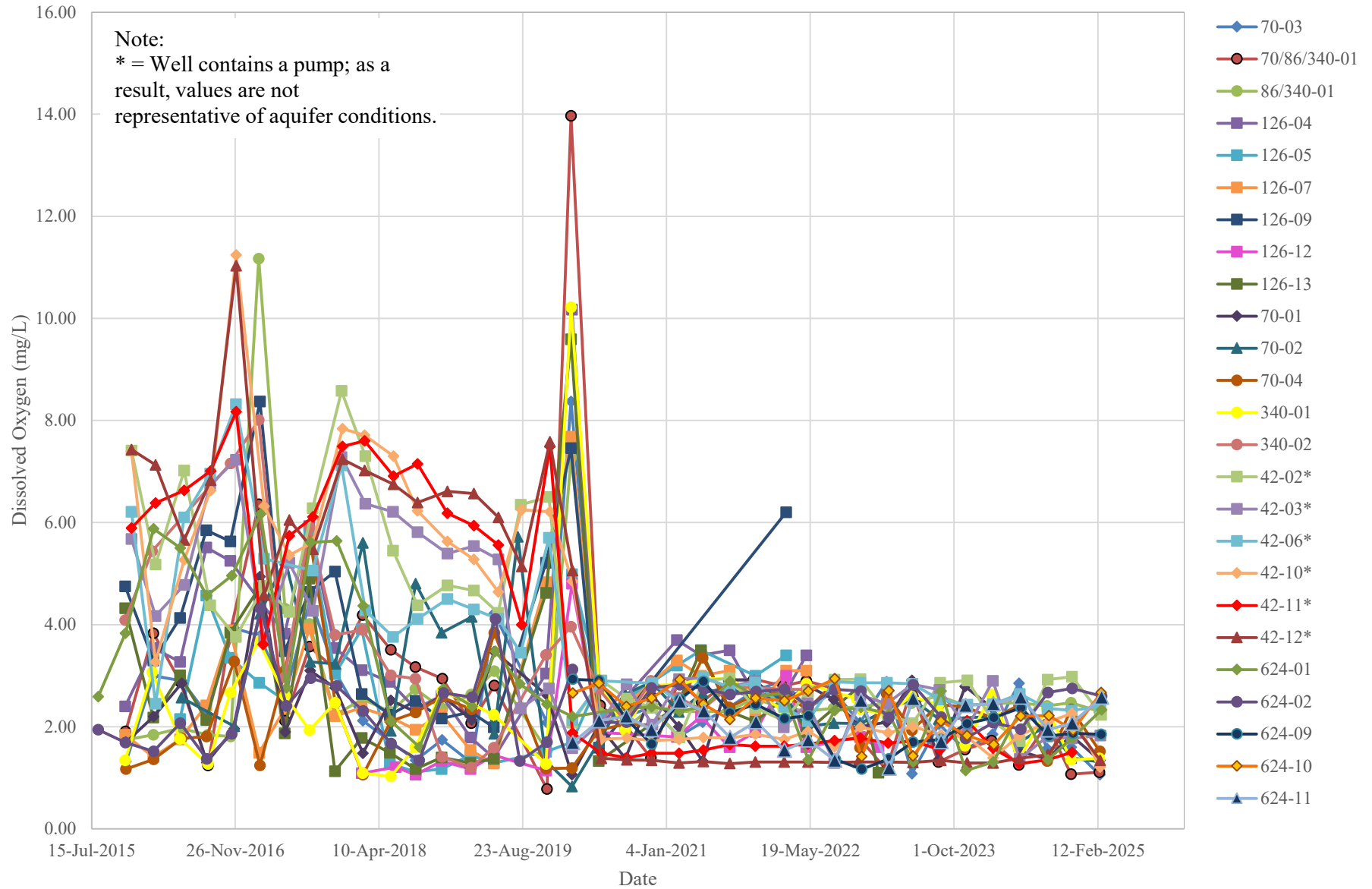
APPENDIX E

FIELD PARAMETER TRENDS BY AREA

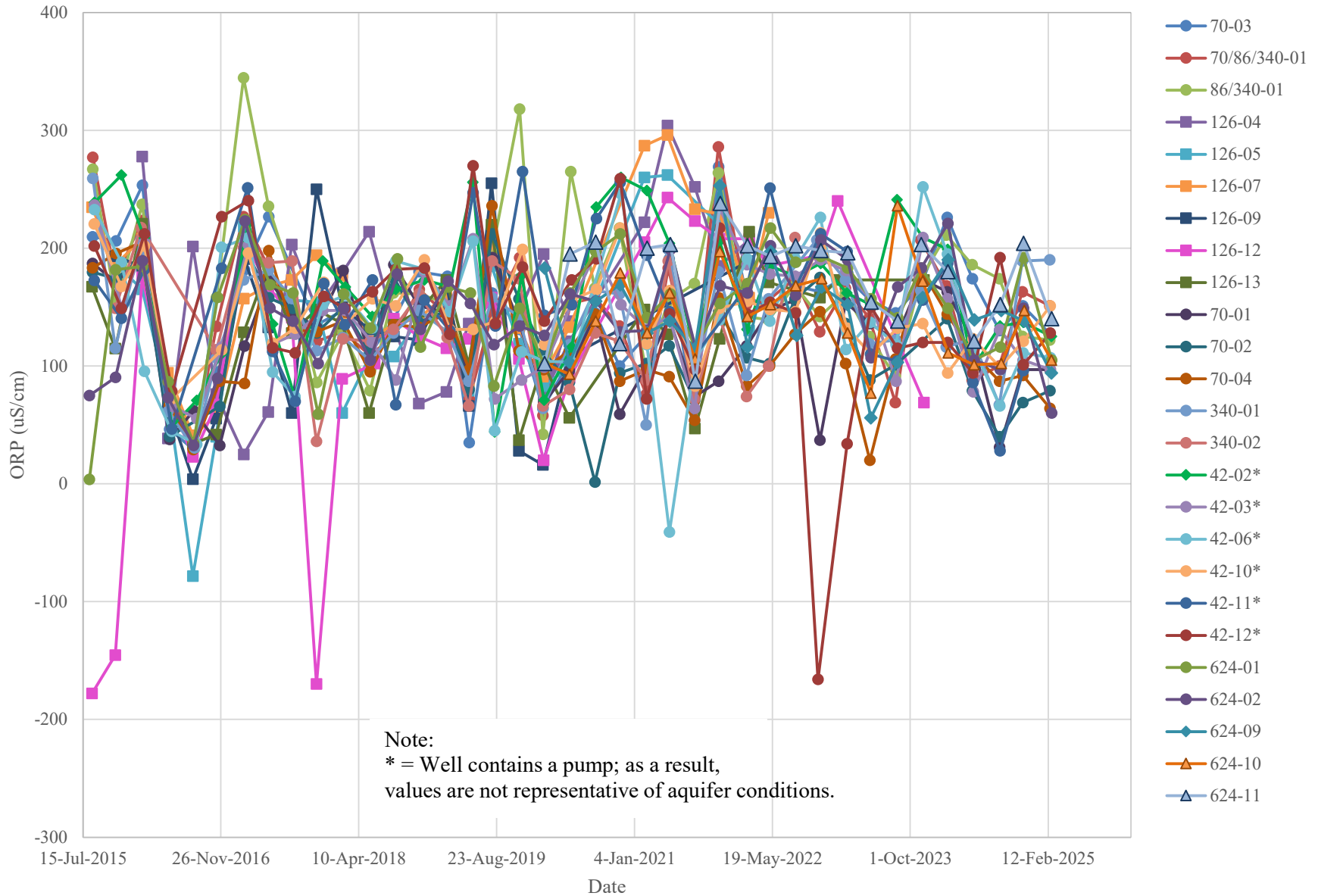
**SPECIFIC CONDUCTANCE TRENDS
NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



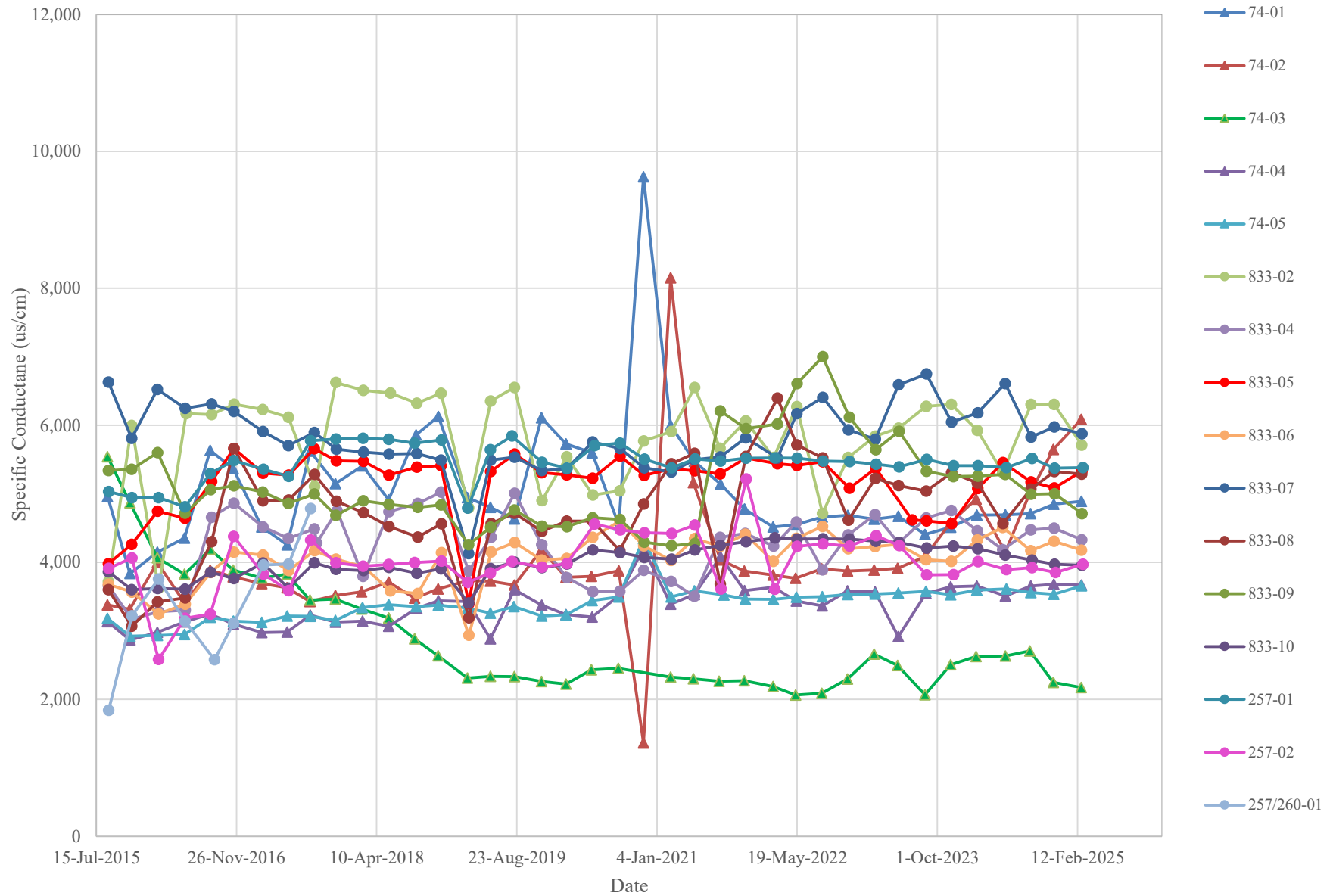
DISSOLVED OXYGEN TRENDS NORTHERN AREA DISCHARGE PLAN MONITORING WELLS DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



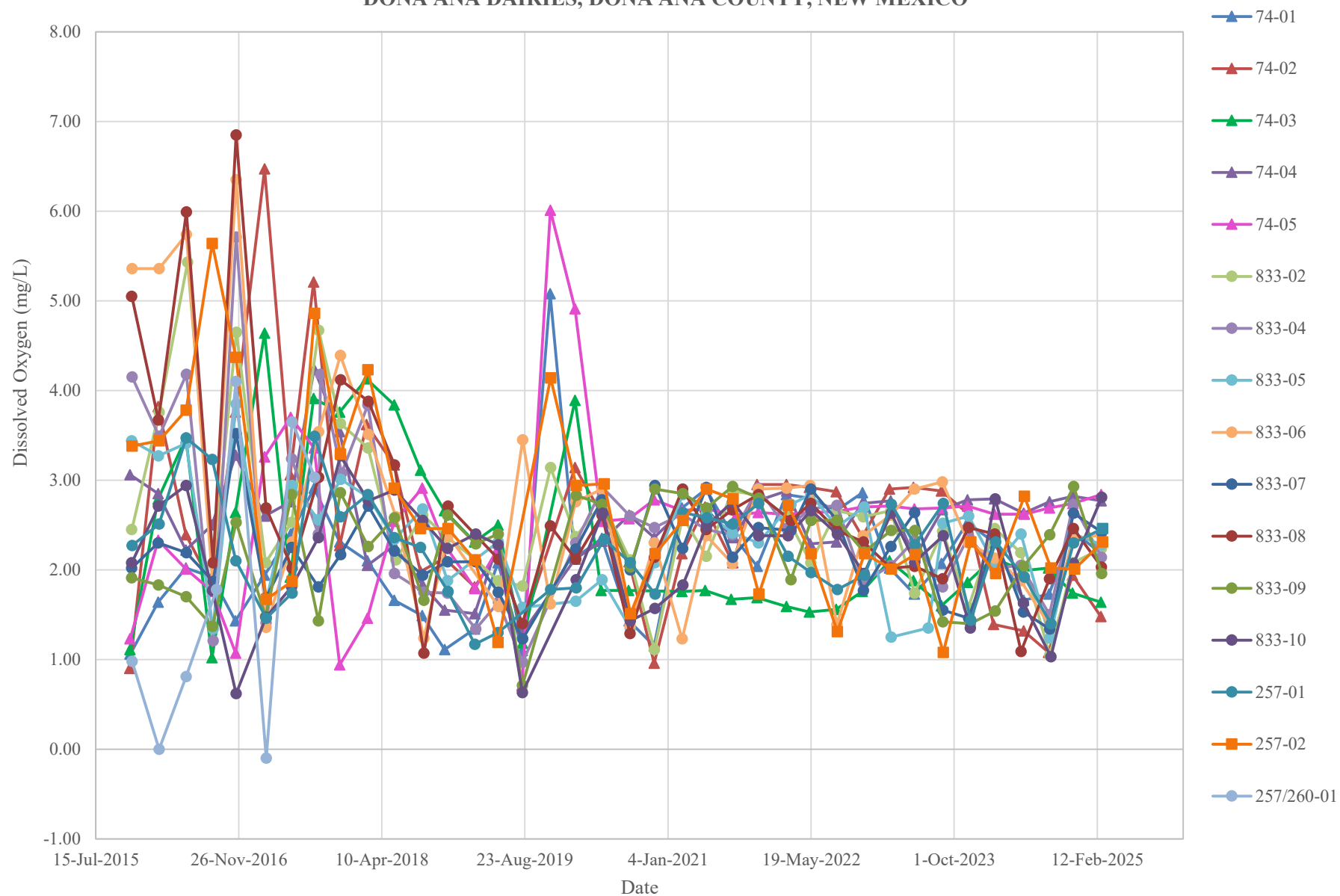
**OXIDATION-REDUCTION POTENTIAL TRENDS
NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



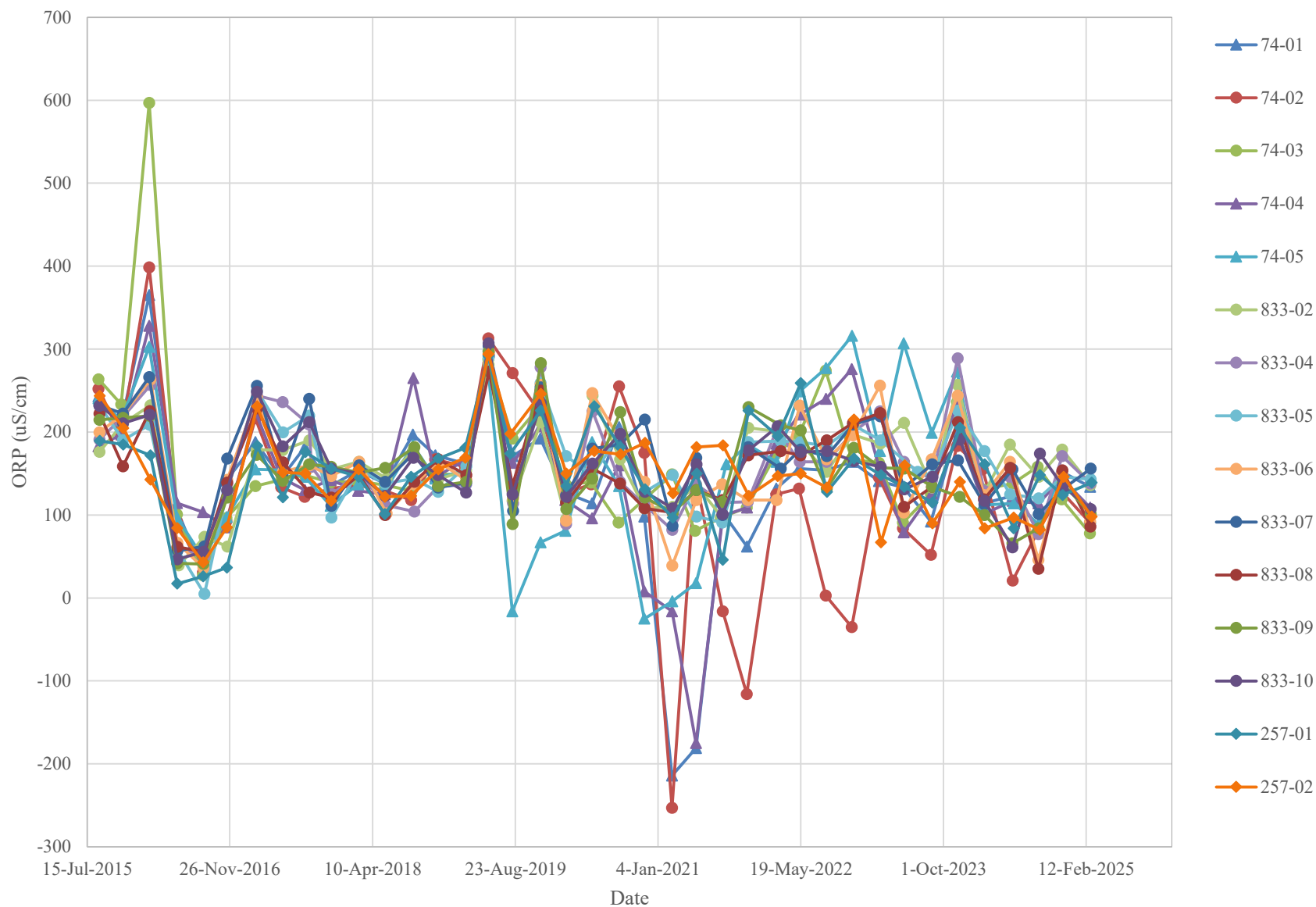
SPECIFIC CONDUCTANCE TRENDS
CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



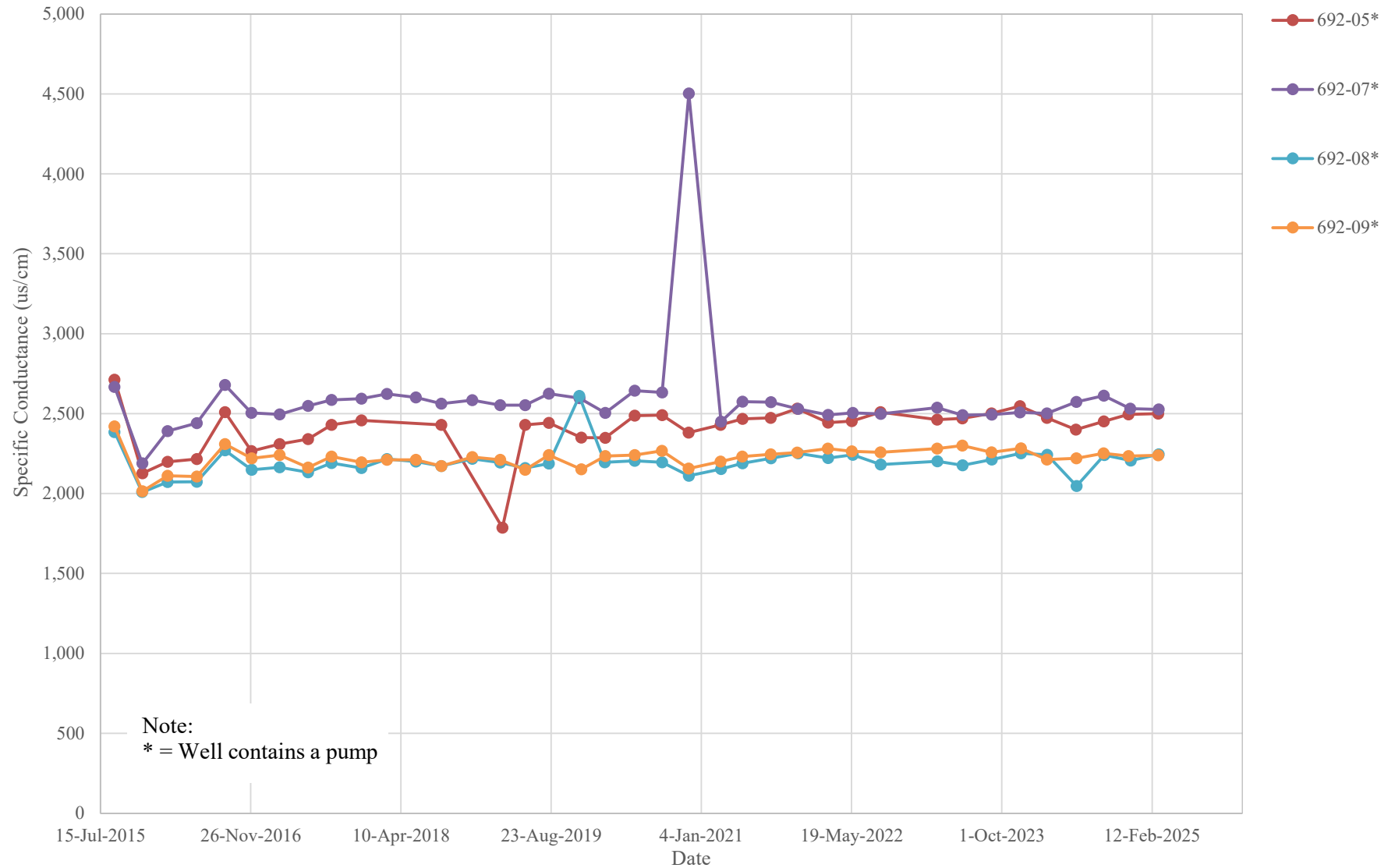
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CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



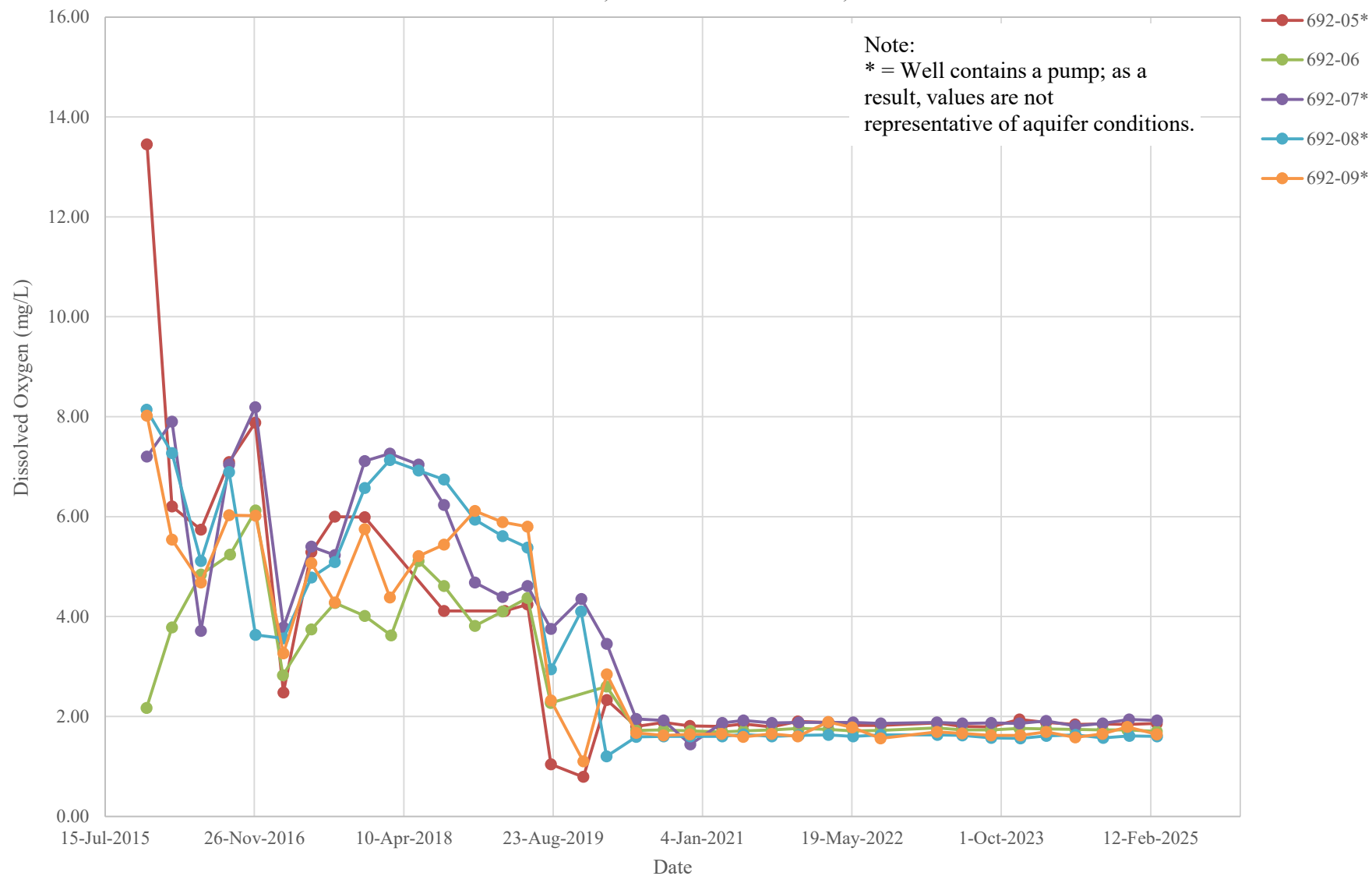
**OXIDATION-REDUCTION POTENTIAL TRENDS
CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



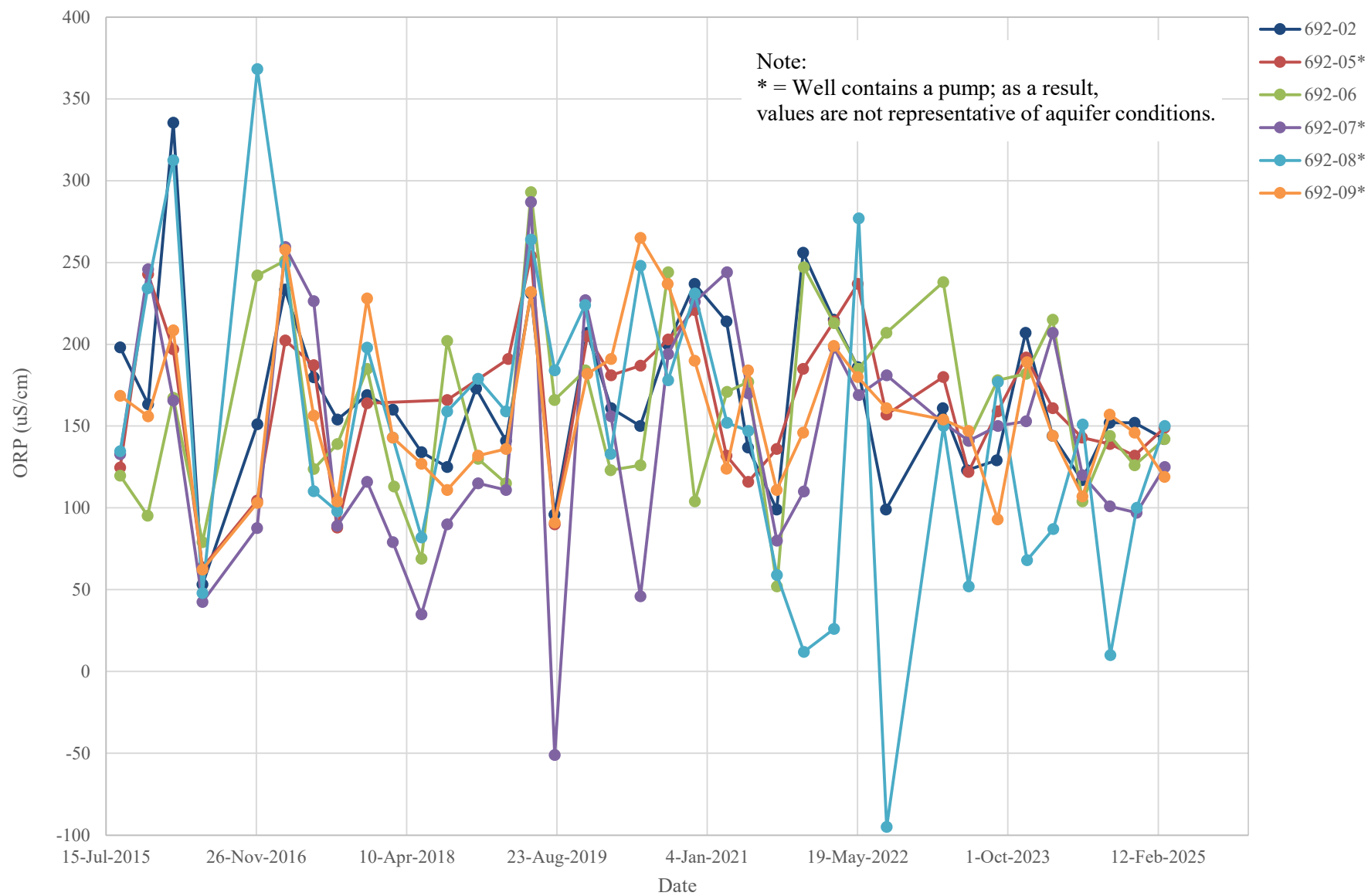
**SPECIFIC CONDUCTANCE TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



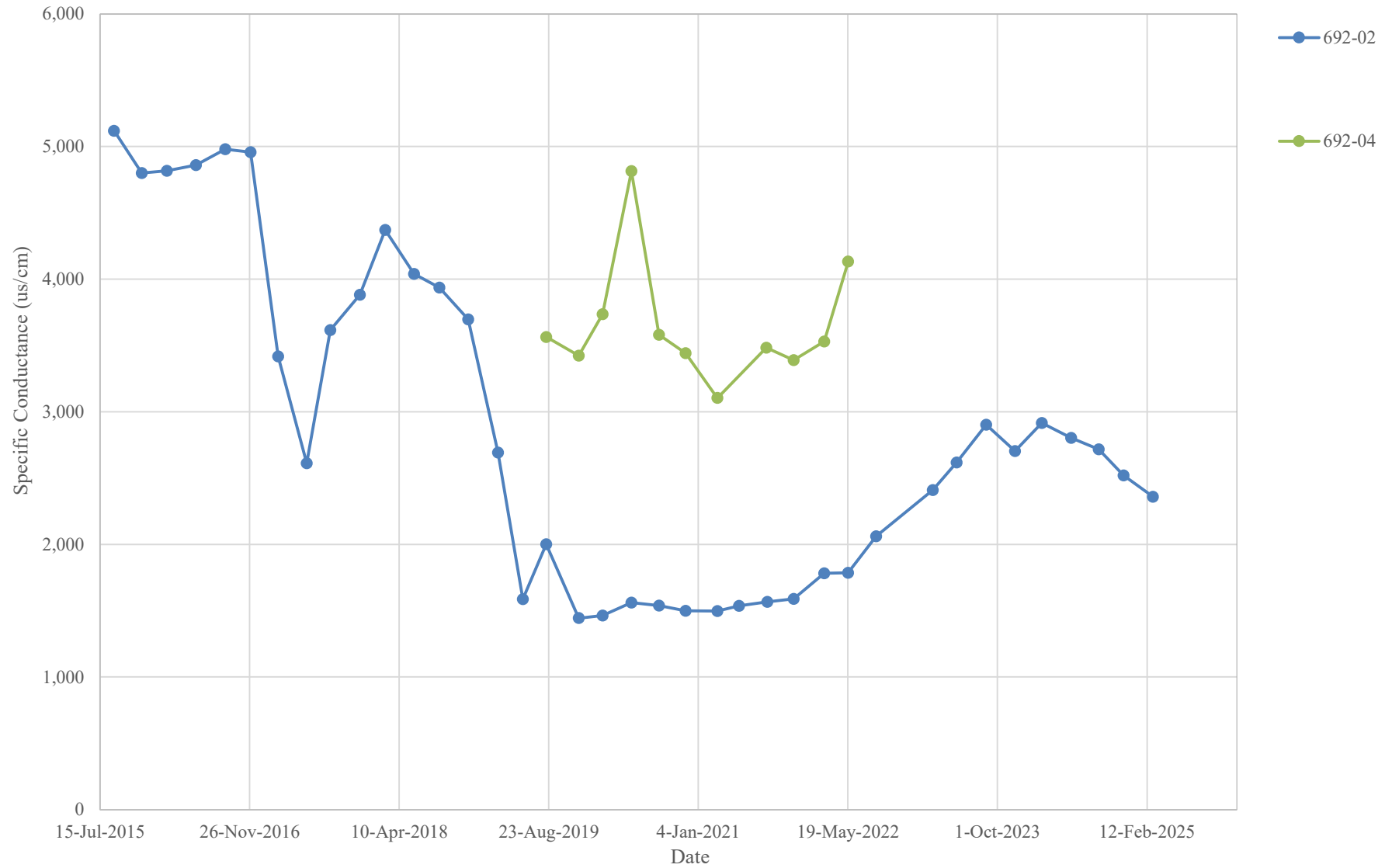
**DISSOLVED OXYGEN TRENDS
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IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



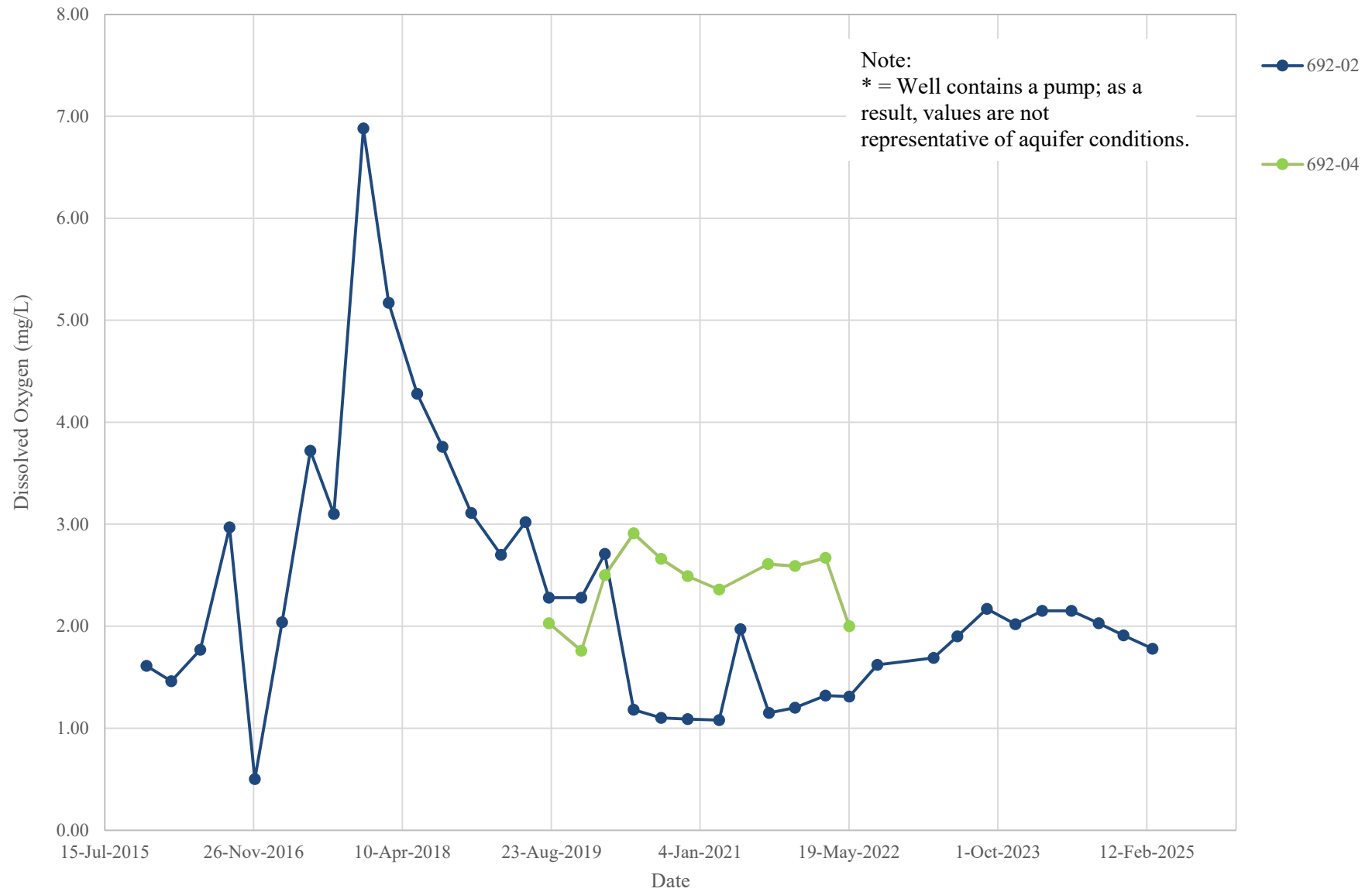
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SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



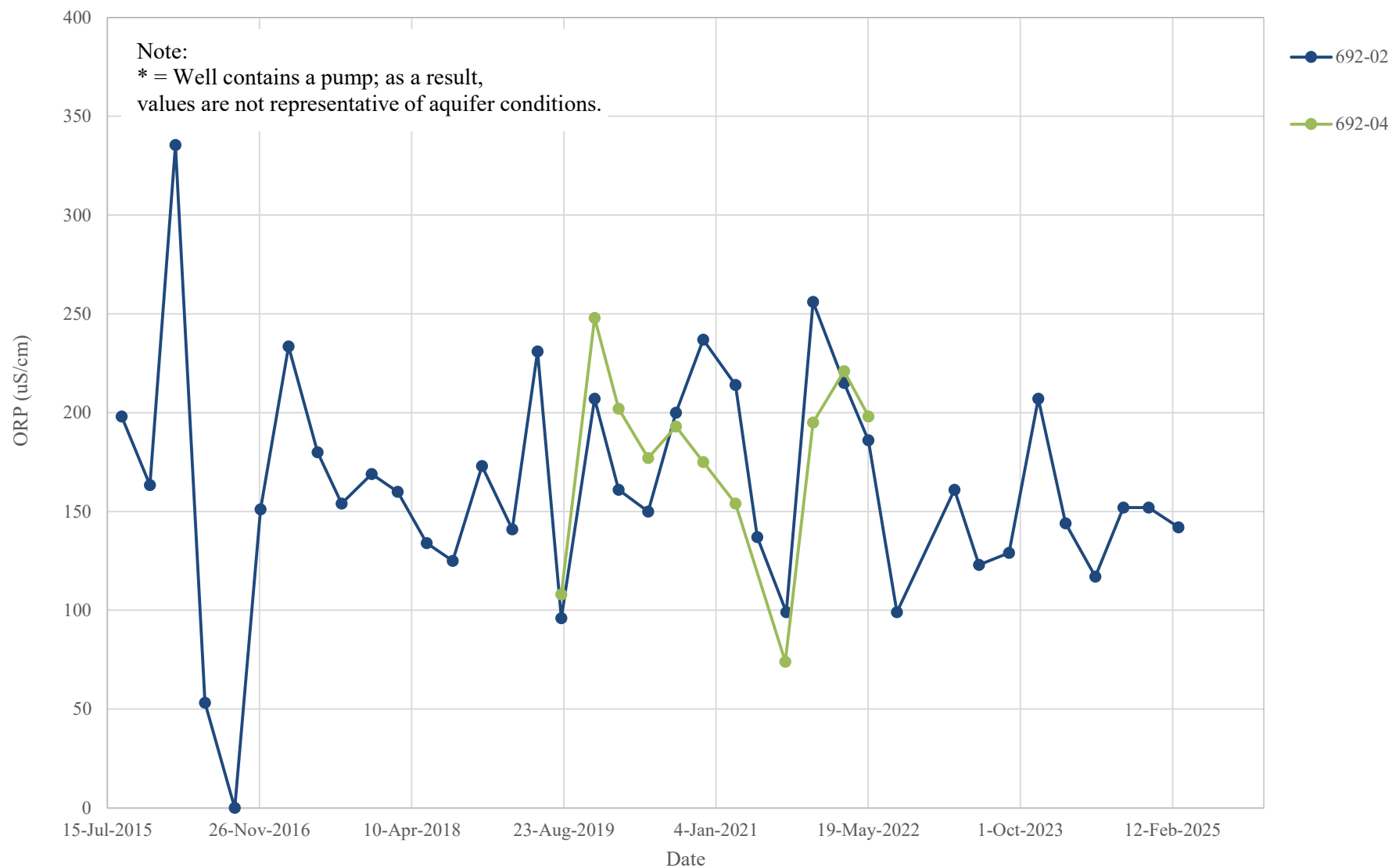
**SPECIFIC CONDUCTANCE TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**DISSOLVED OXYGEN TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



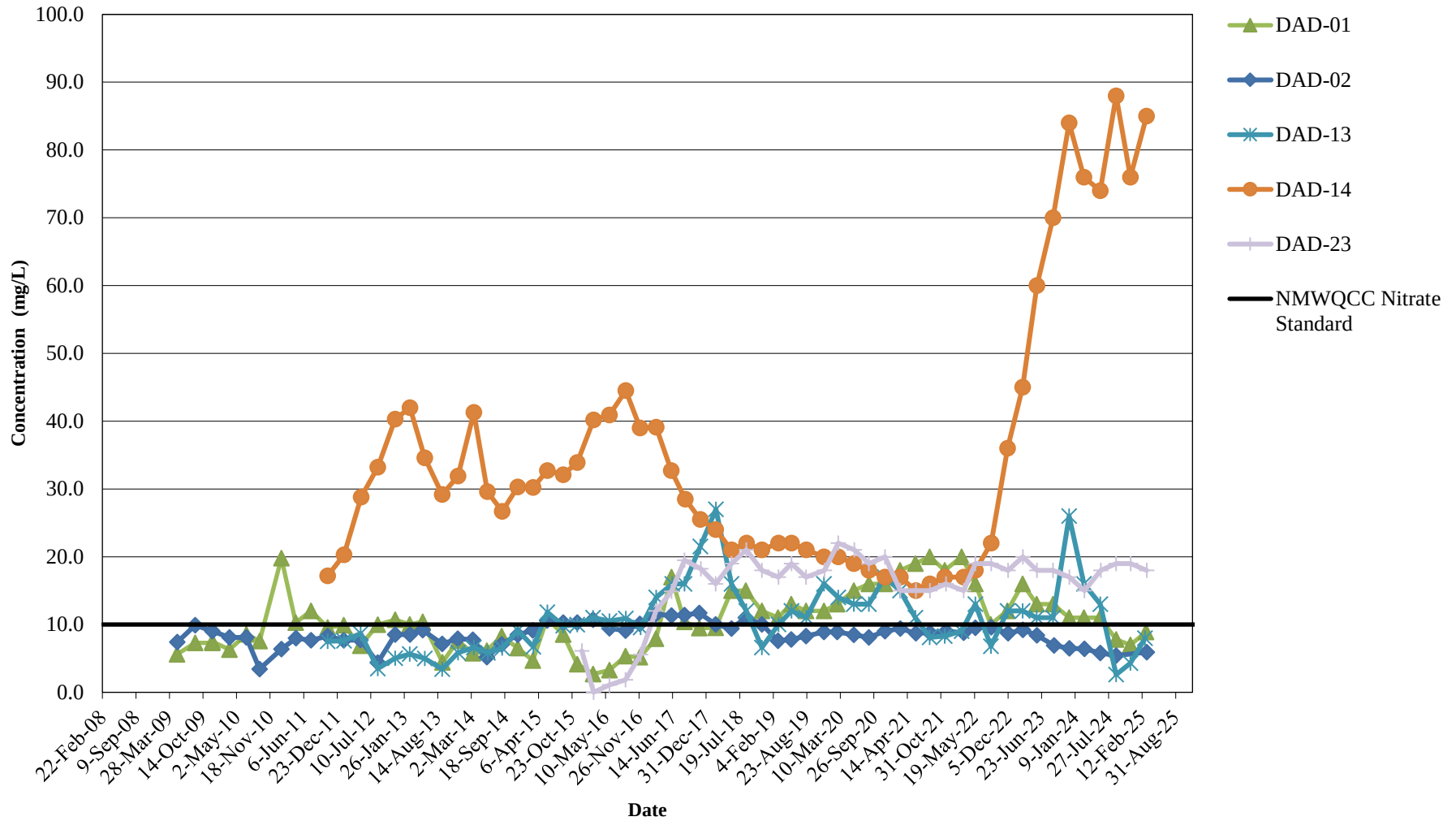
**OXIDATION-REDUCTION POTENTIAL TRENDS
SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



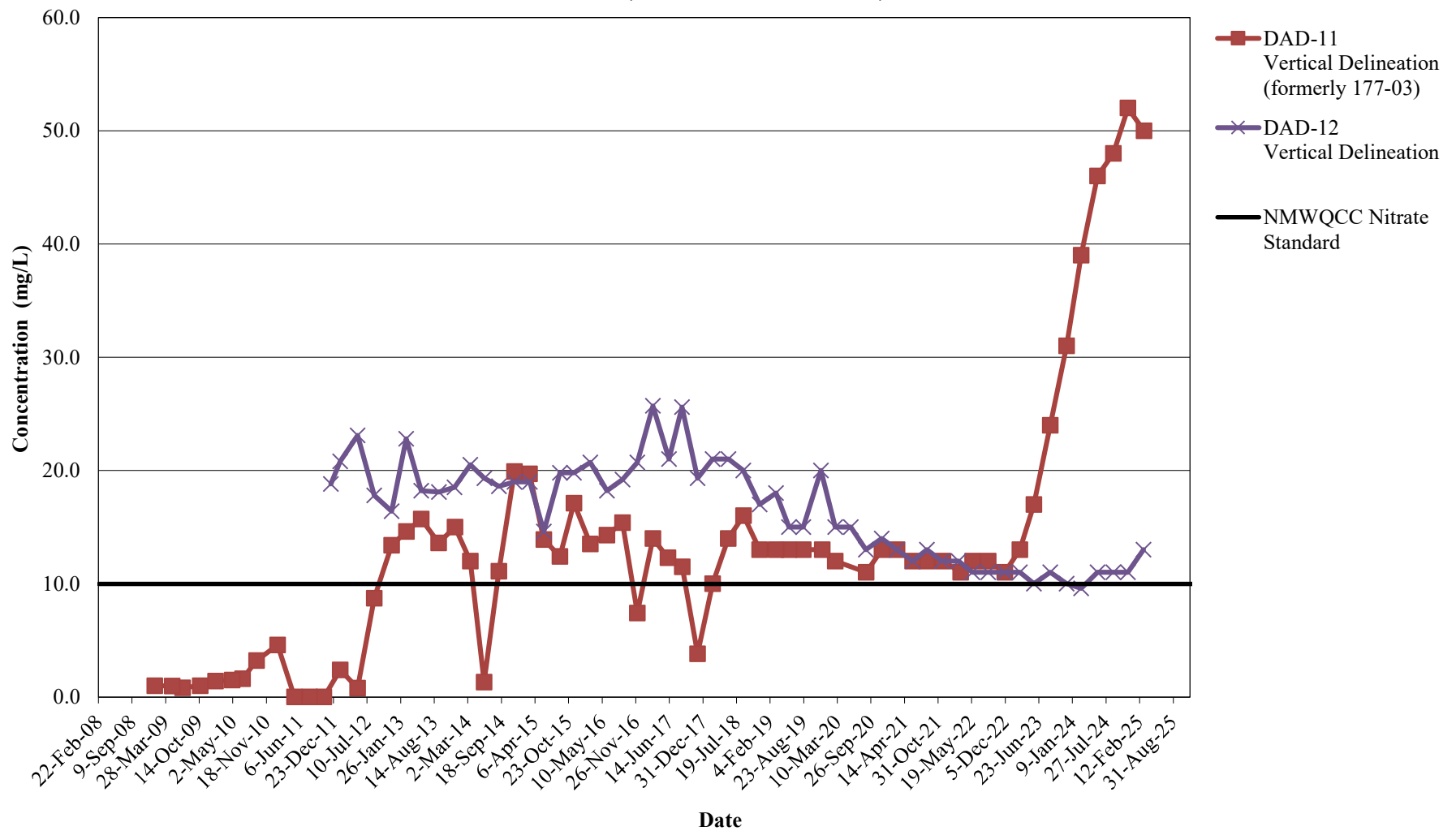
APPENDIX F

**CONCENTRATION TRENDS BY AREA –
ABATEMENT PLAN WELLS**

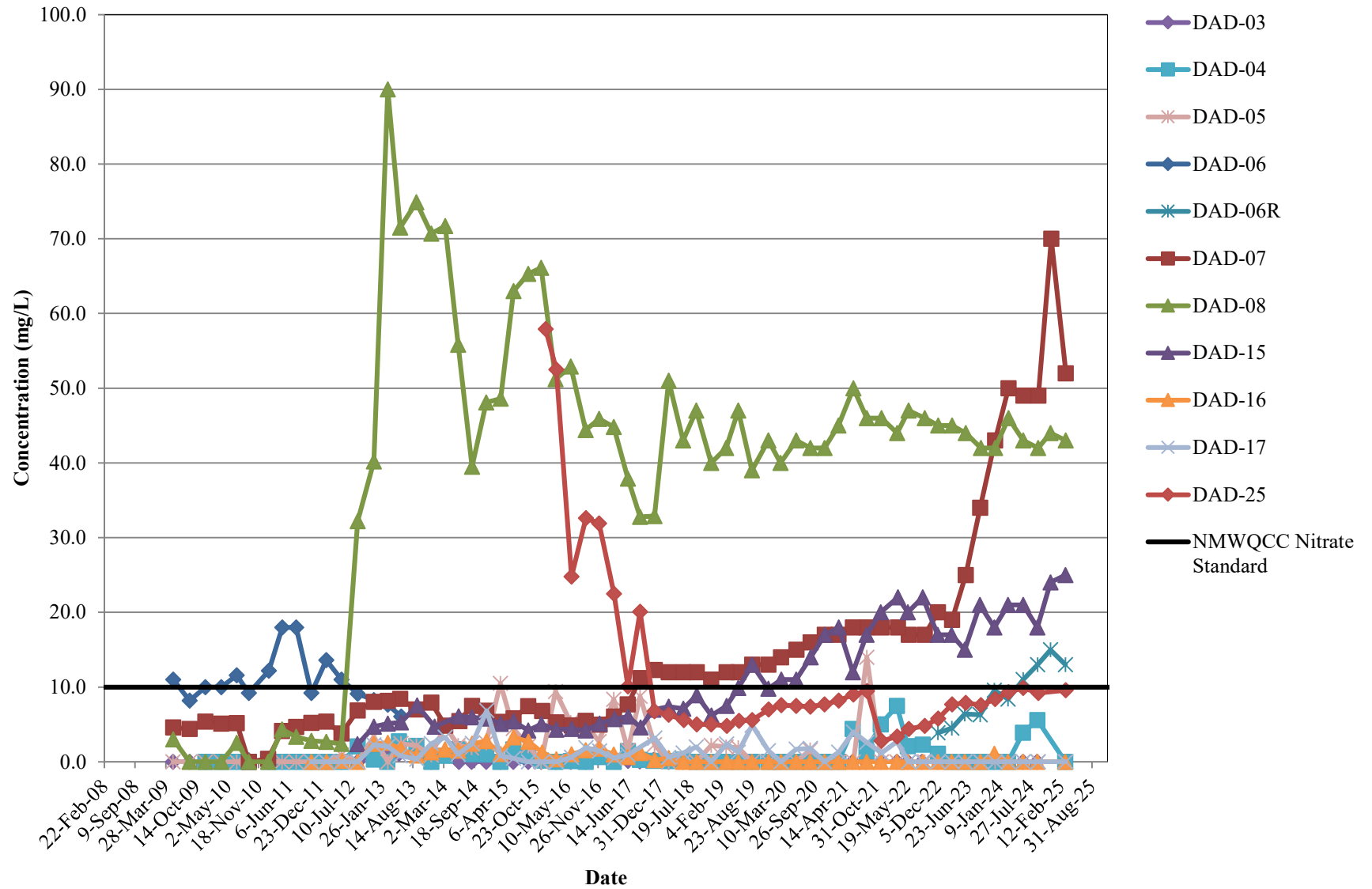
**NITRATE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



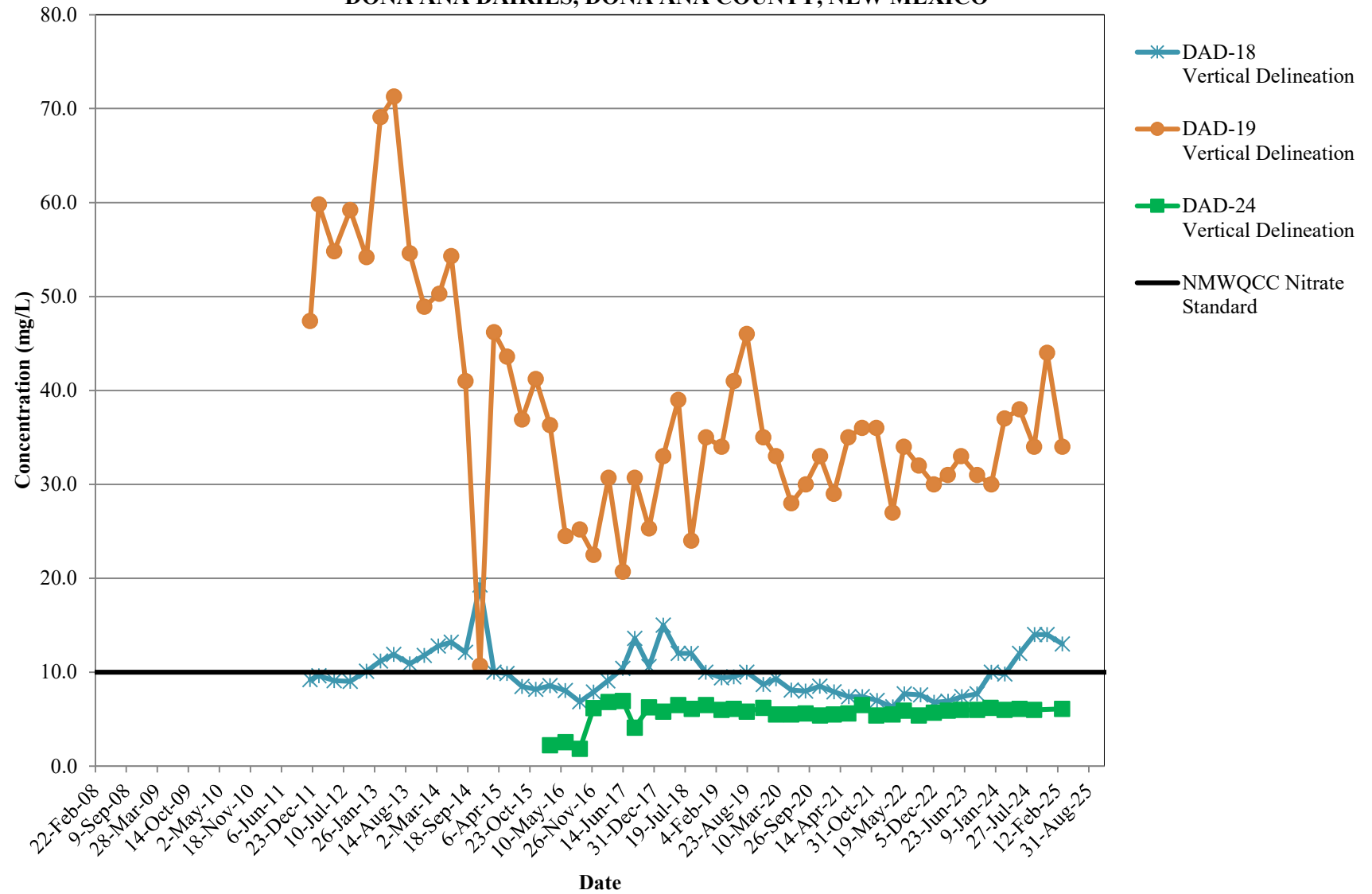
**NITRATE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



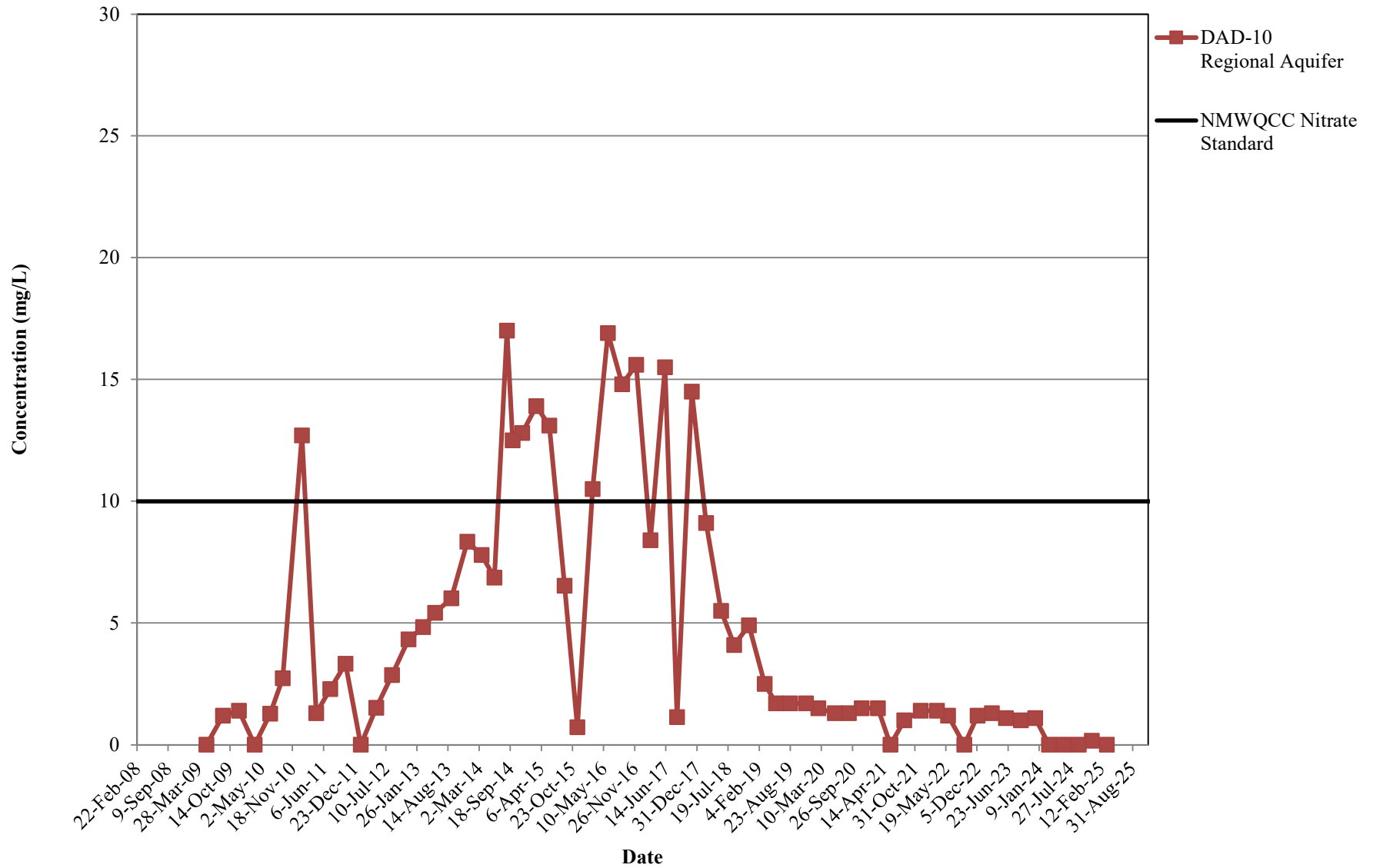
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CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



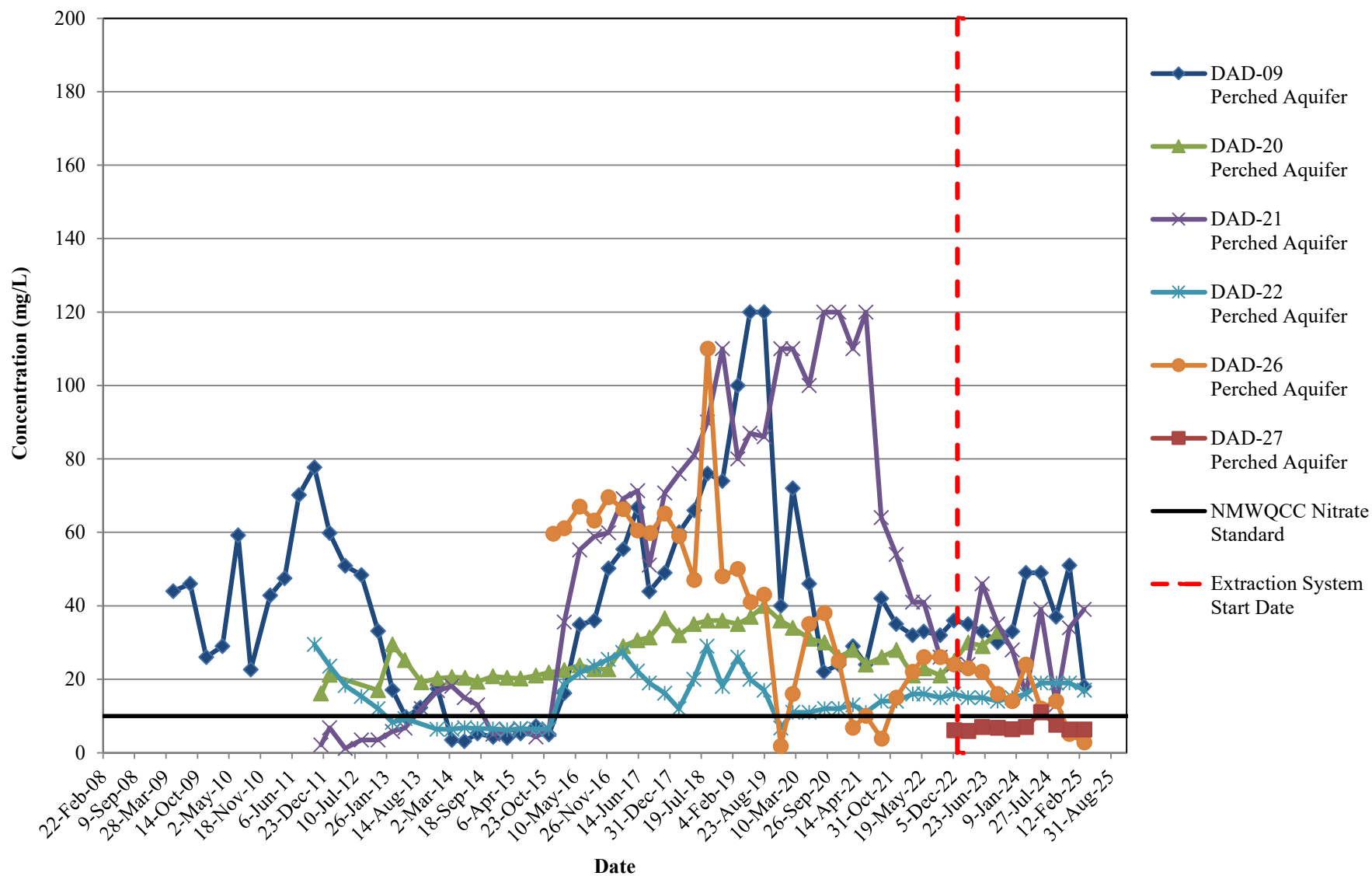
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CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



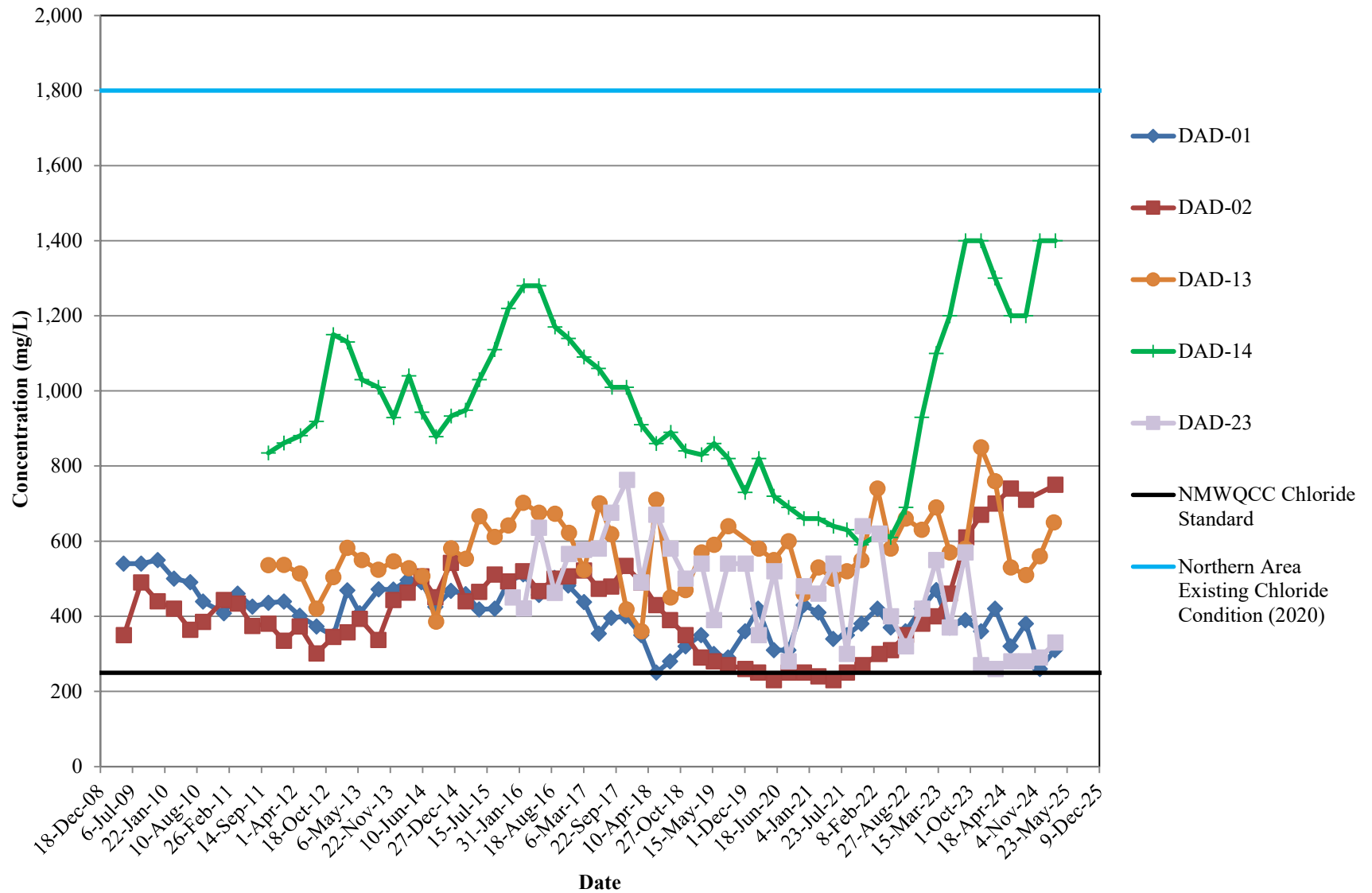
**NITRATE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



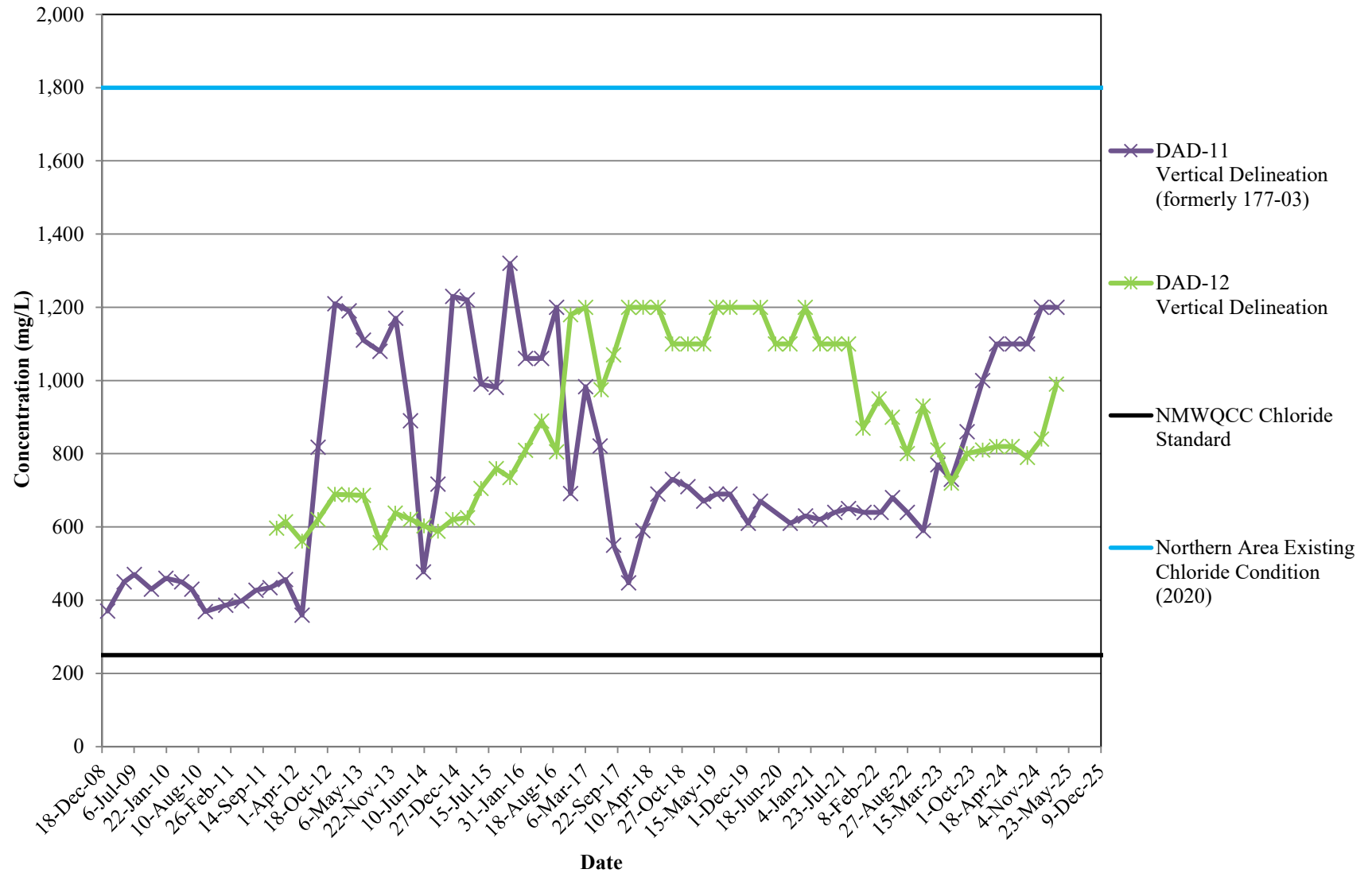
**NITRATE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



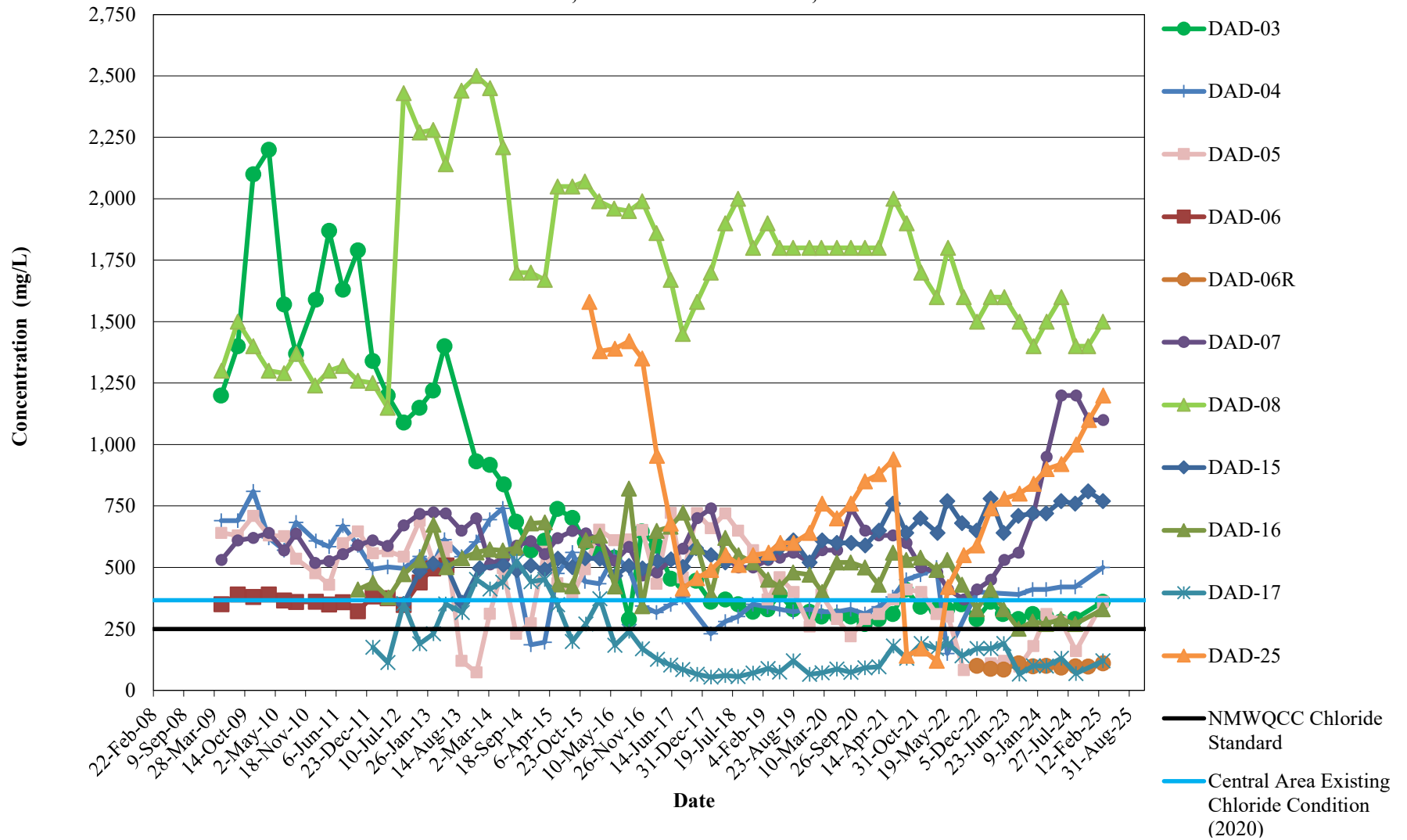
**CHLORIDE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



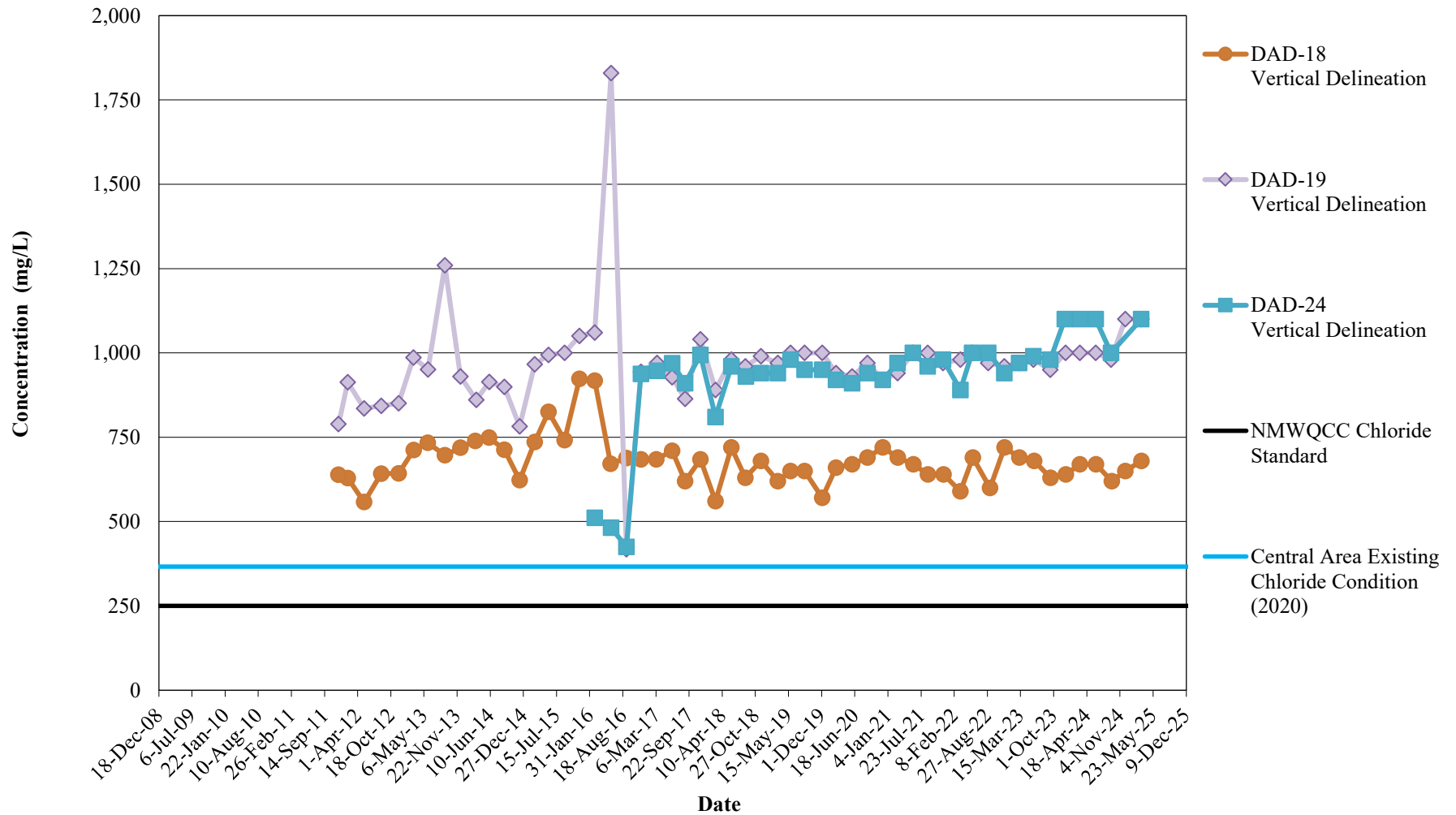
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NORTHERN ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



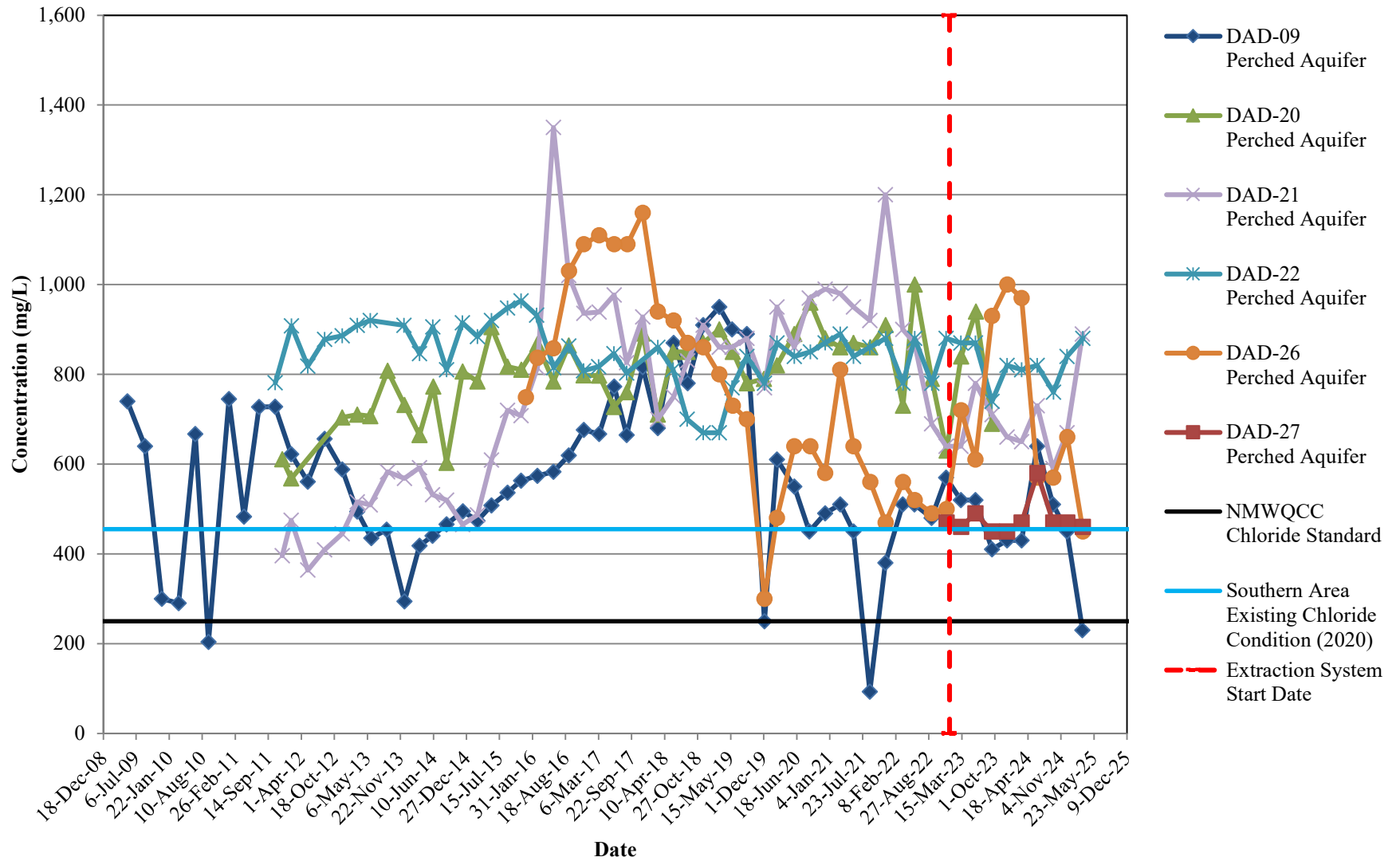
CHLORIDE CONCENTRATION TRENDS **CENTRAL ABATEMENT PLAN MONITORING WELLS** **DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



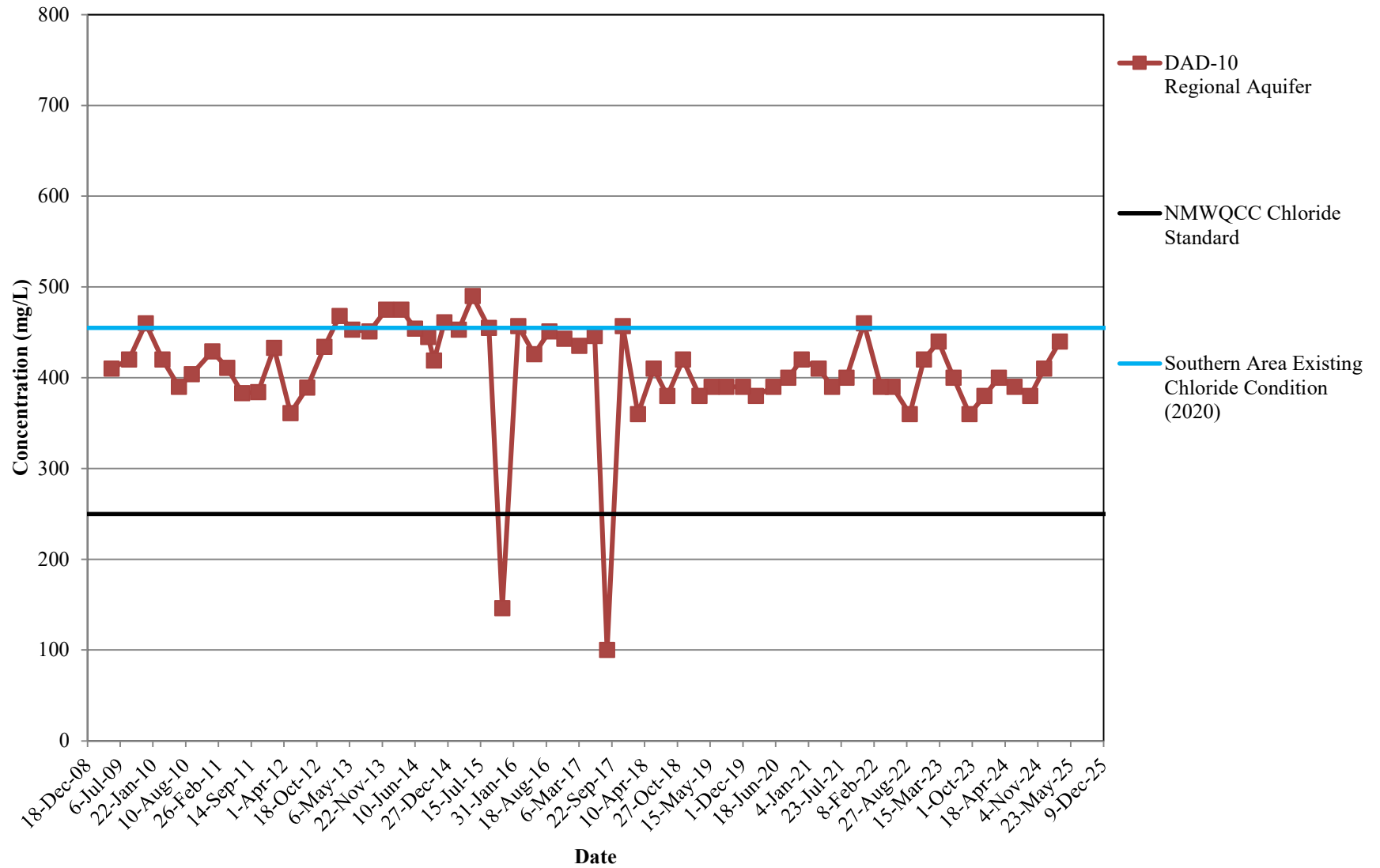
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CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



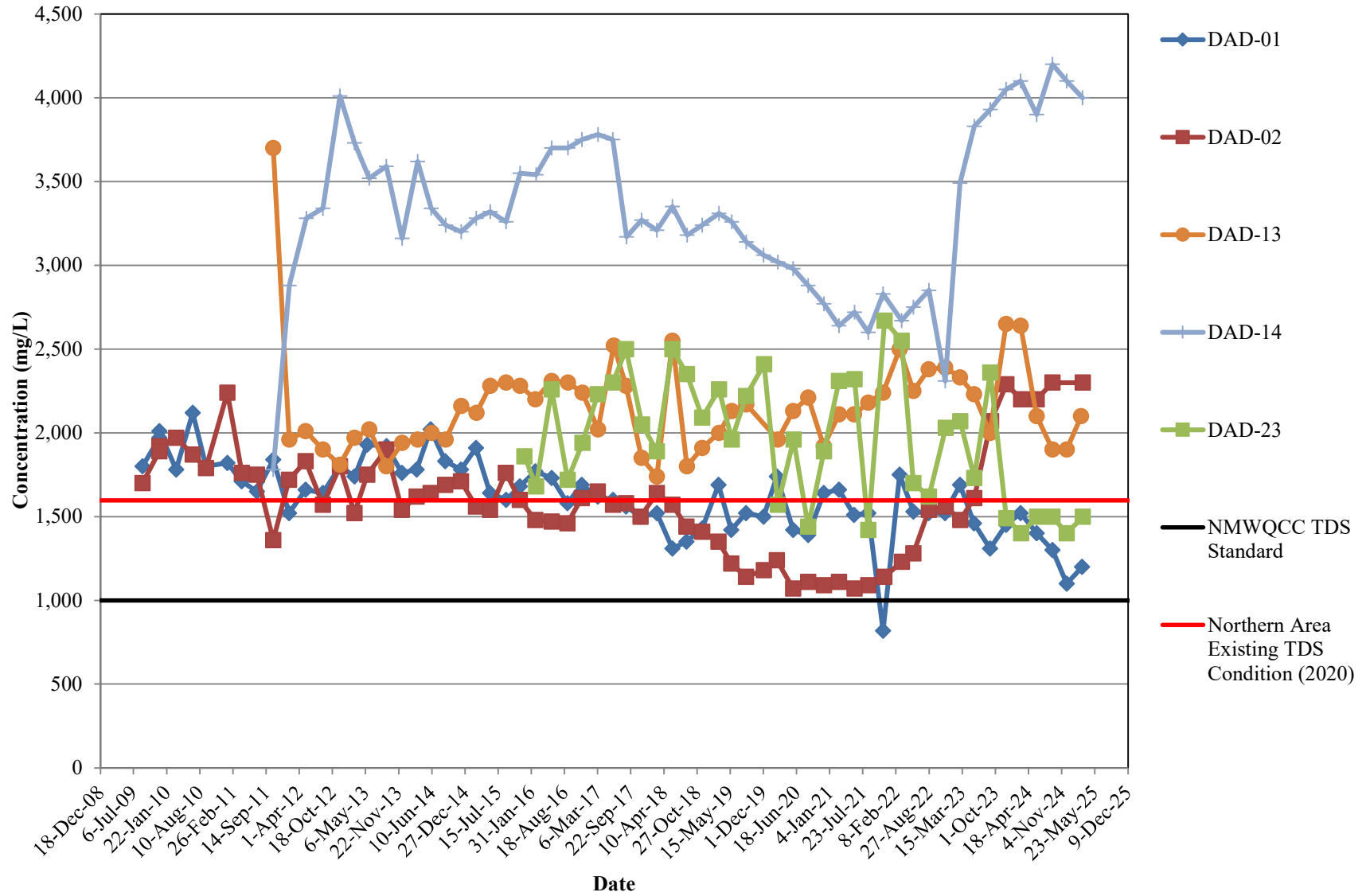
**CHLORIDE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



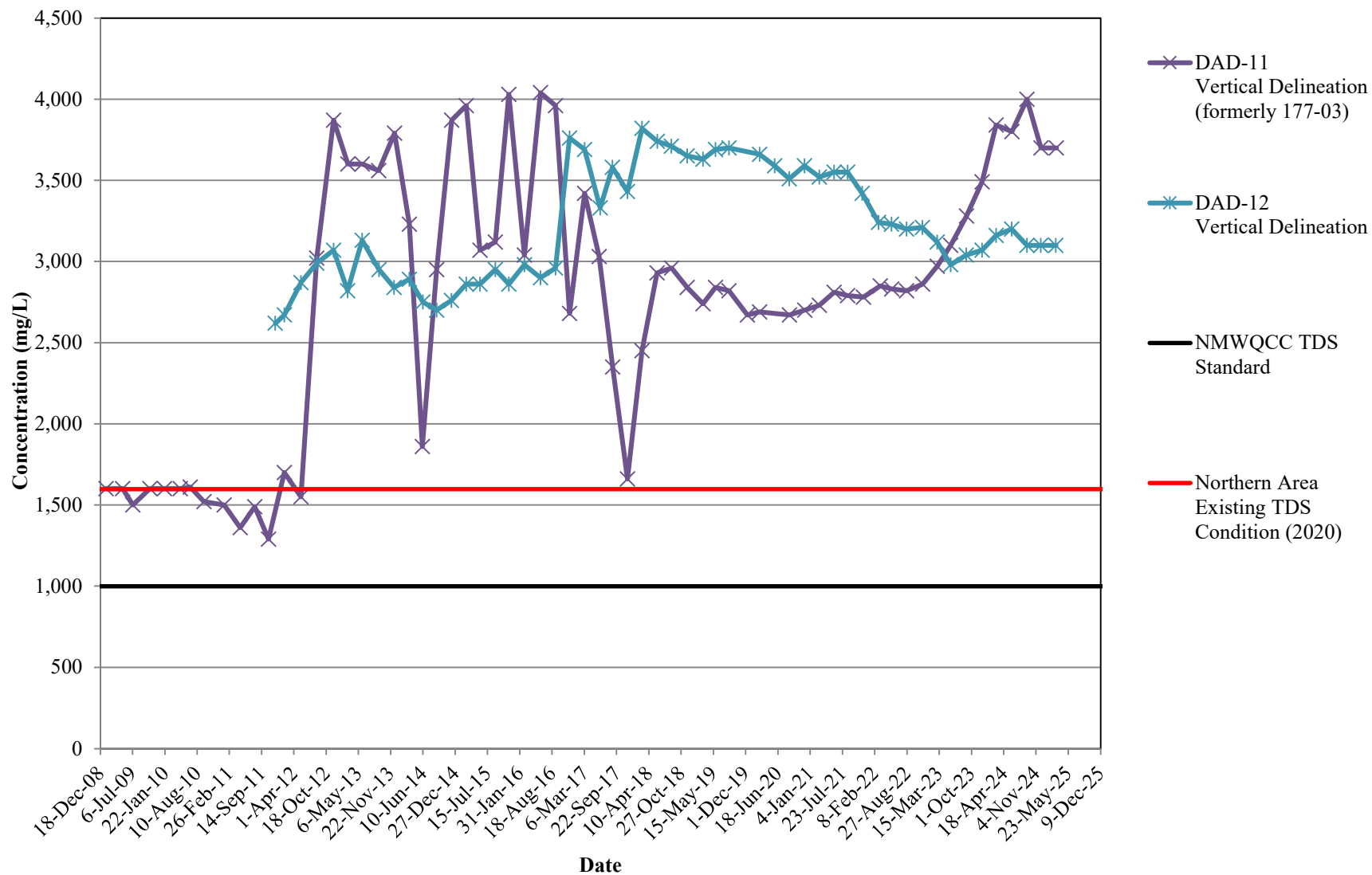
**CHLORIDE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



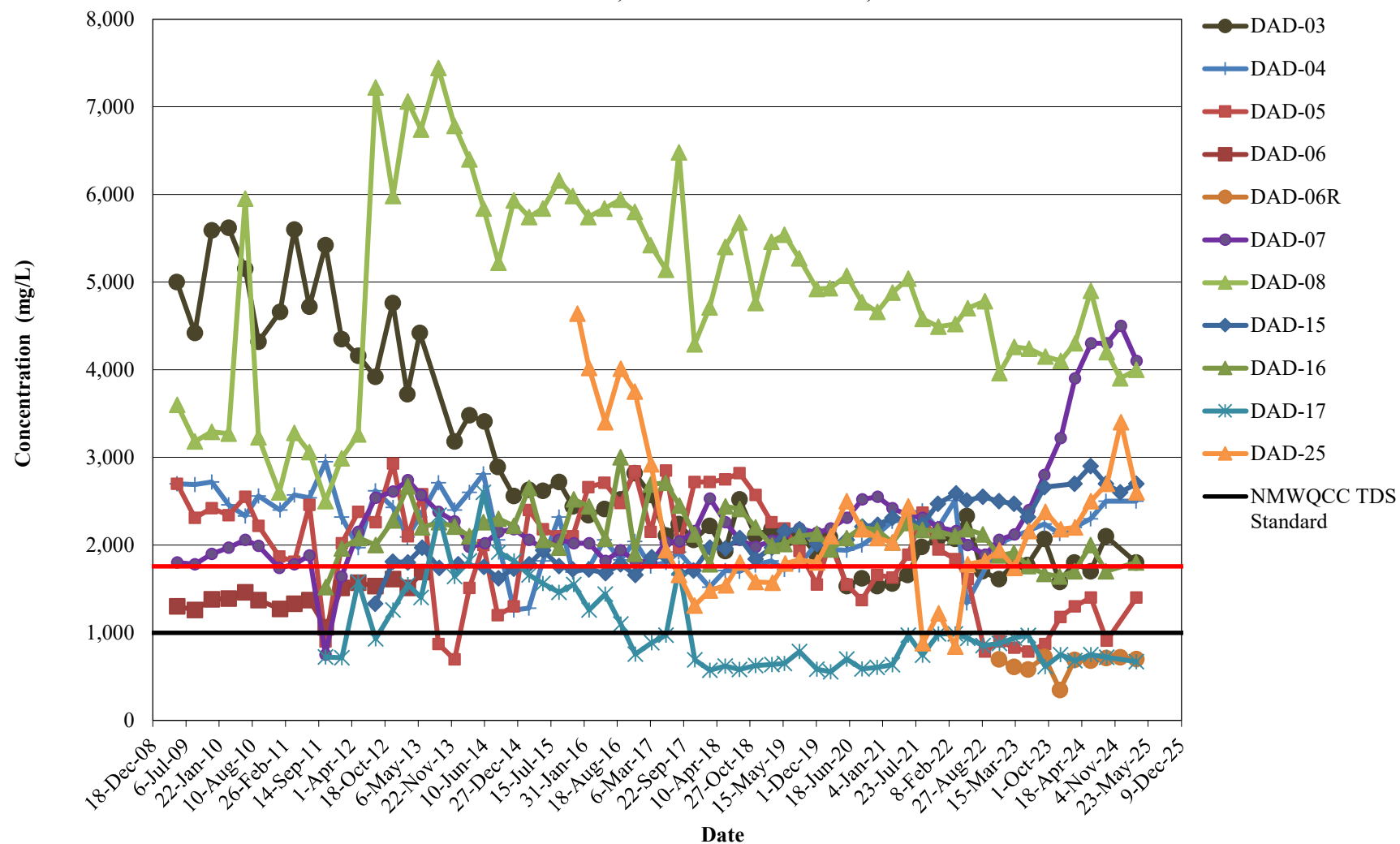
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NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



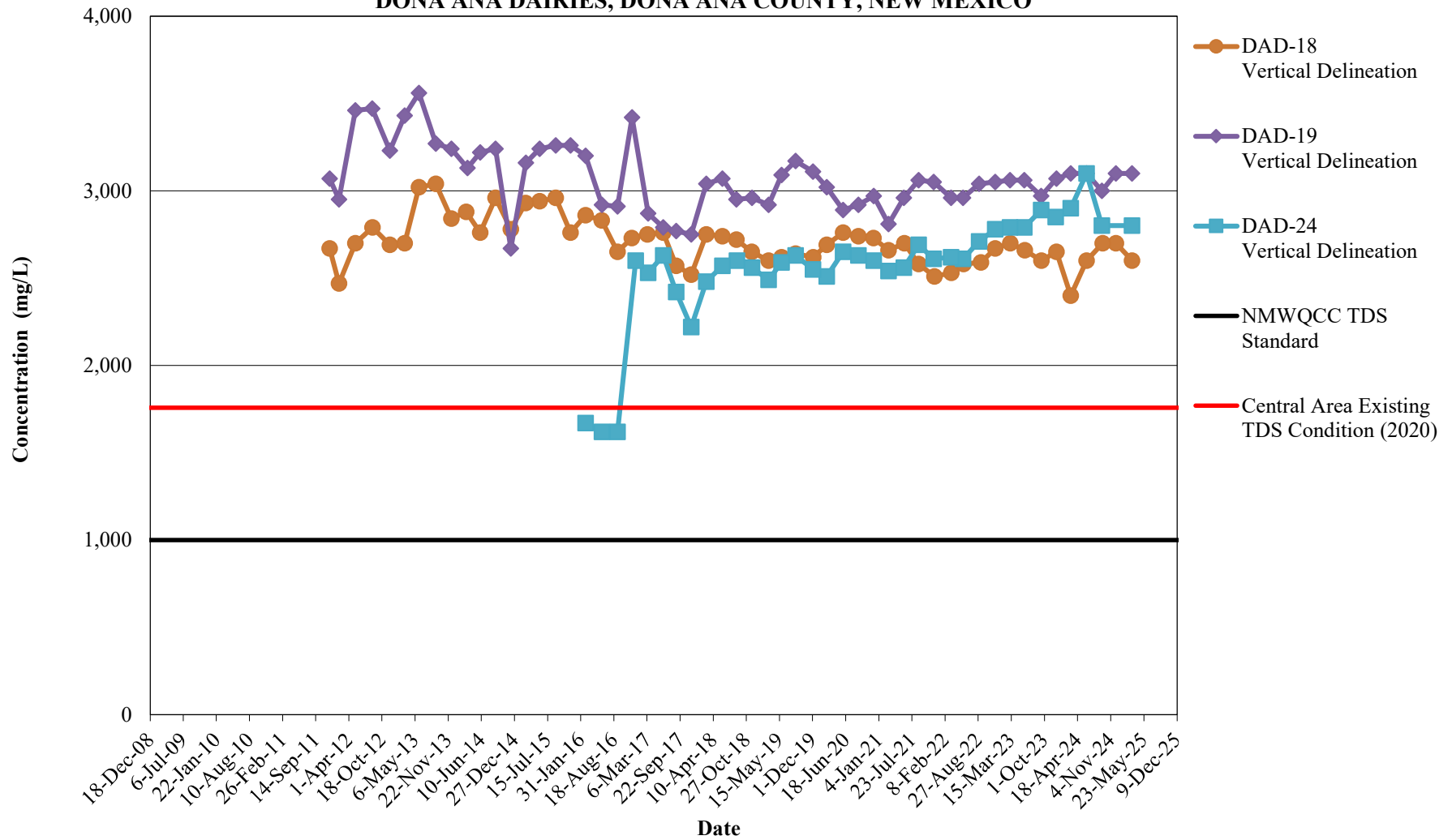
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NORTHERN ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



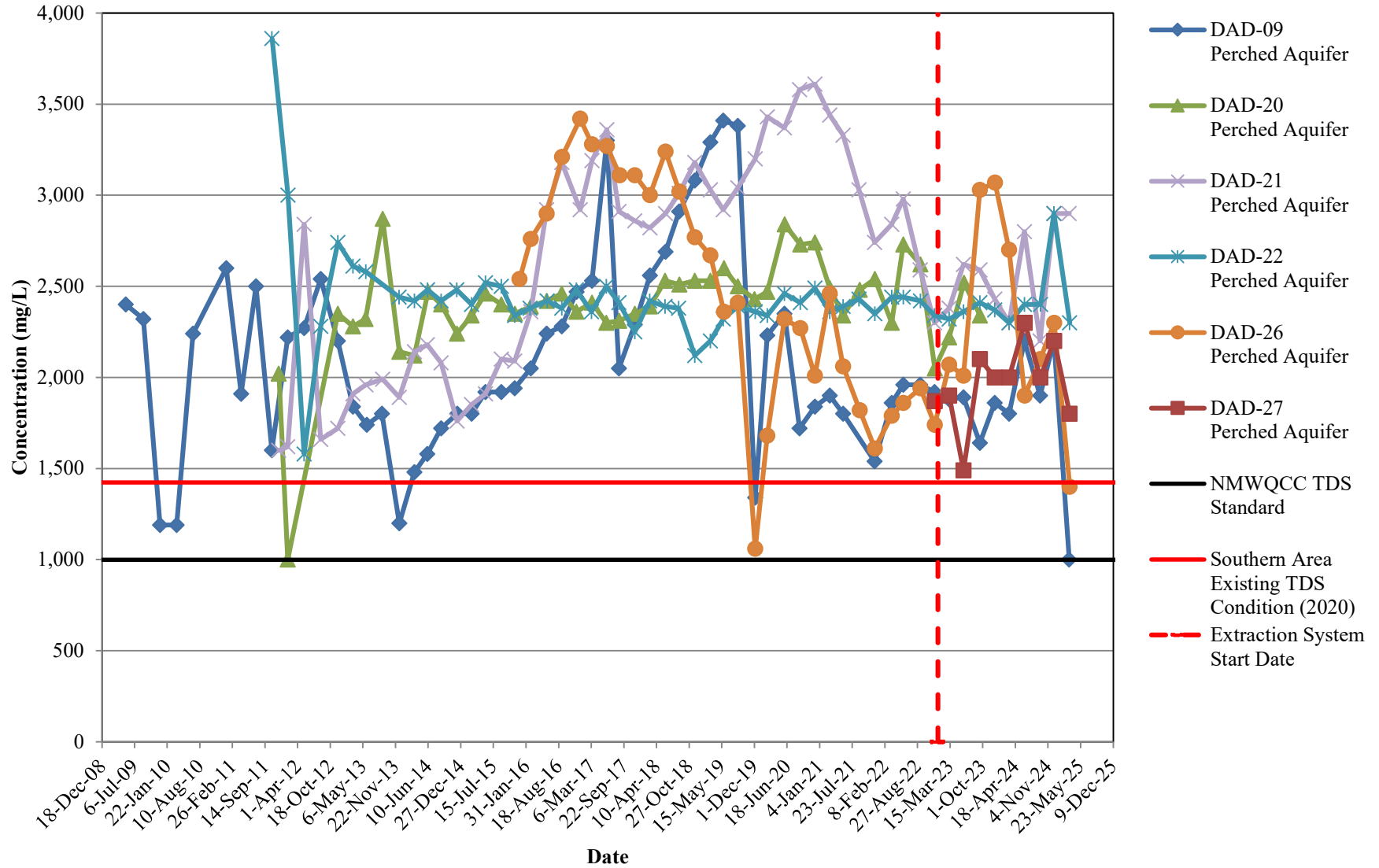
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CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



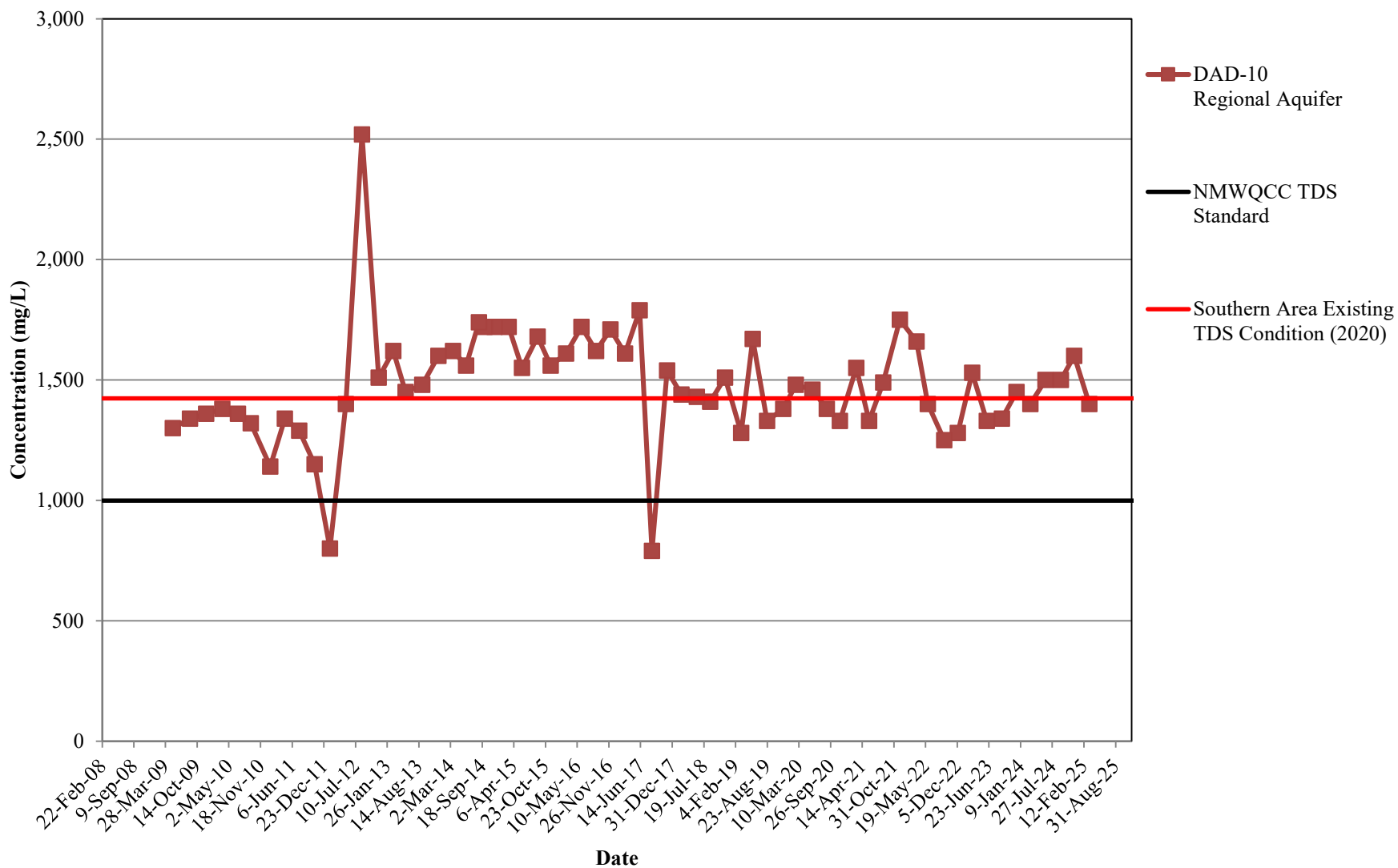
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CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**TDS CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



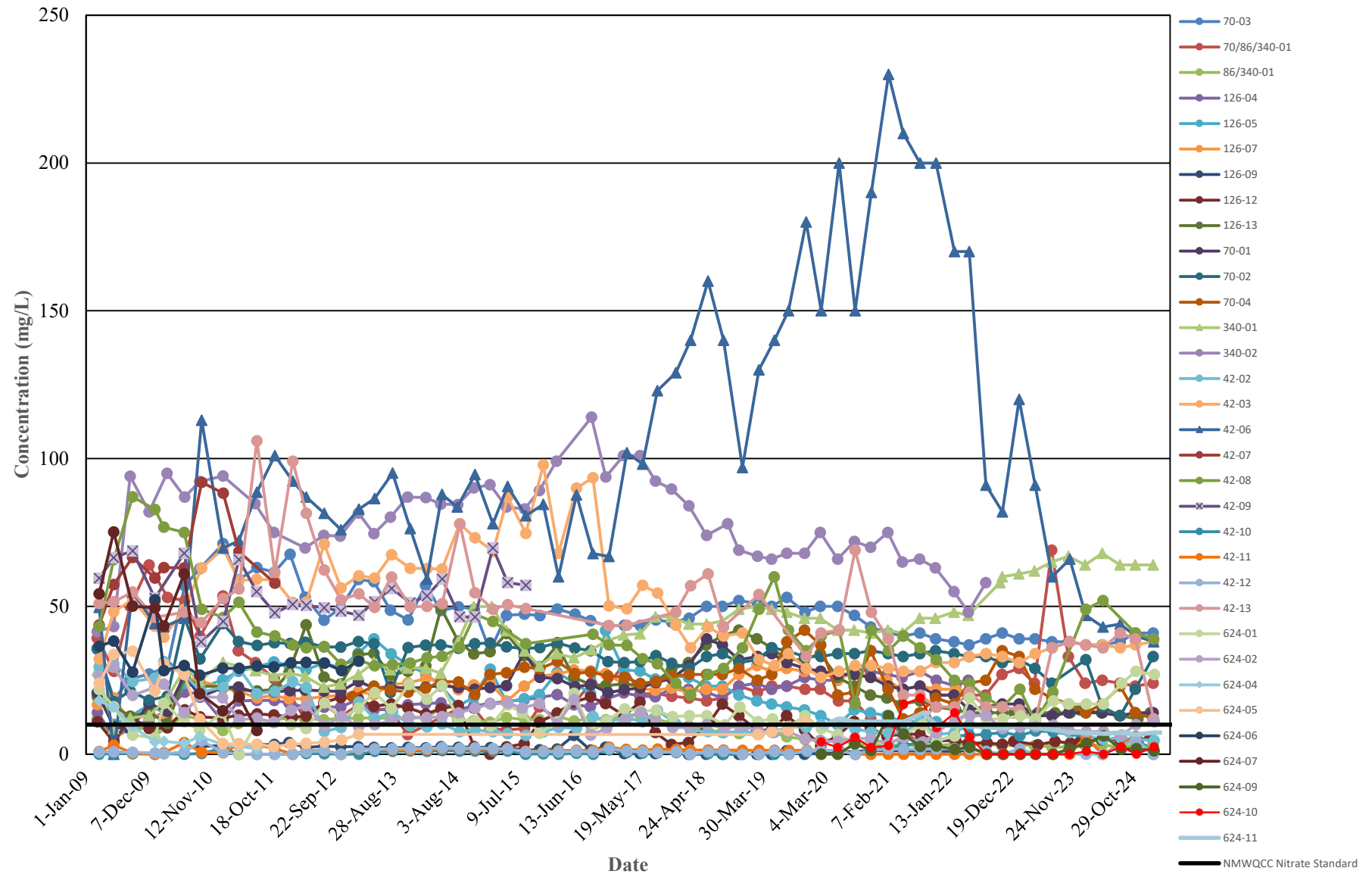
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SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



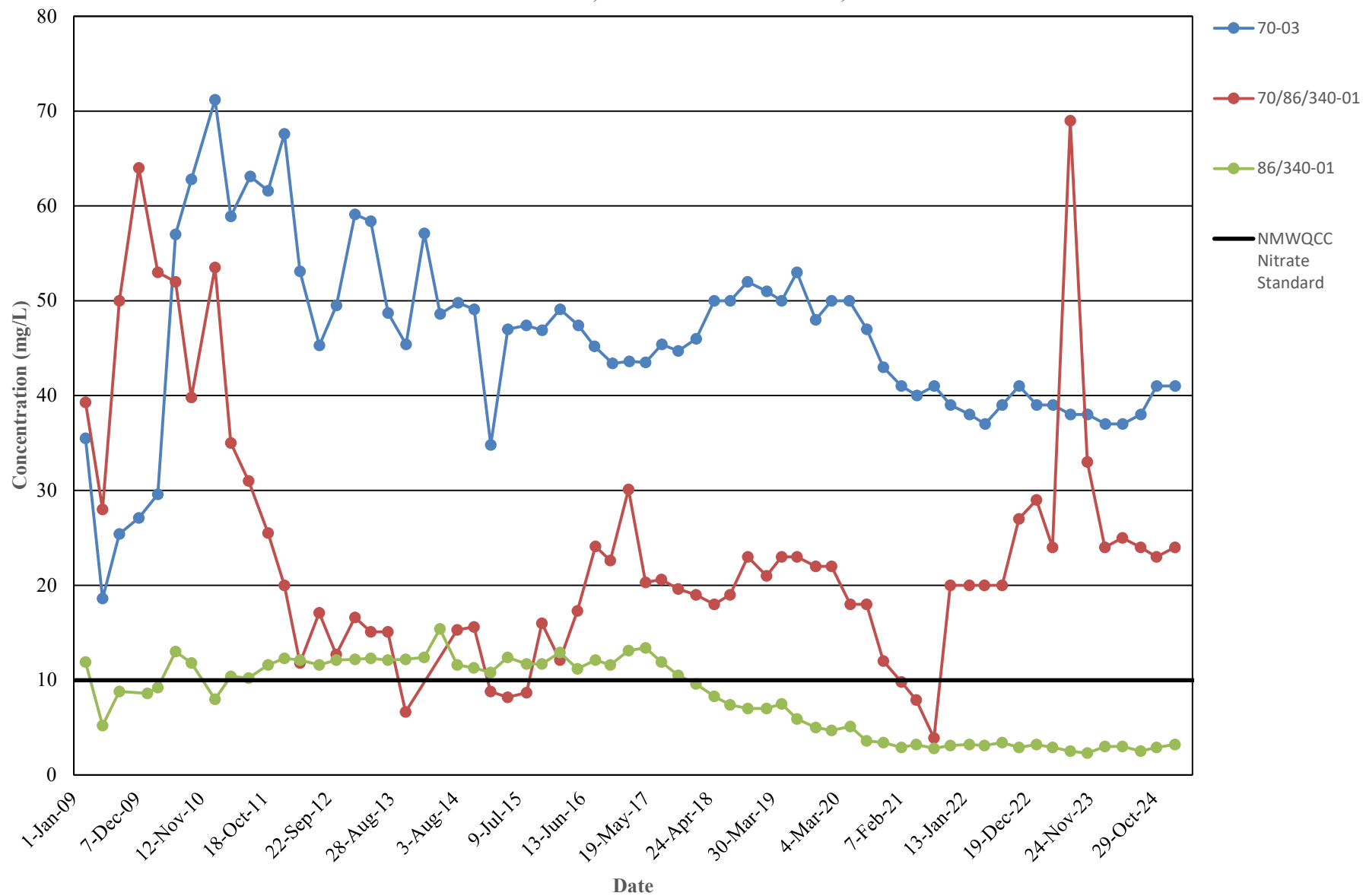
APPENDIX G

**CONCENTRATION TRENDS BY AREA AND DAIRY–
DISCHARGE PLAN WELLS**

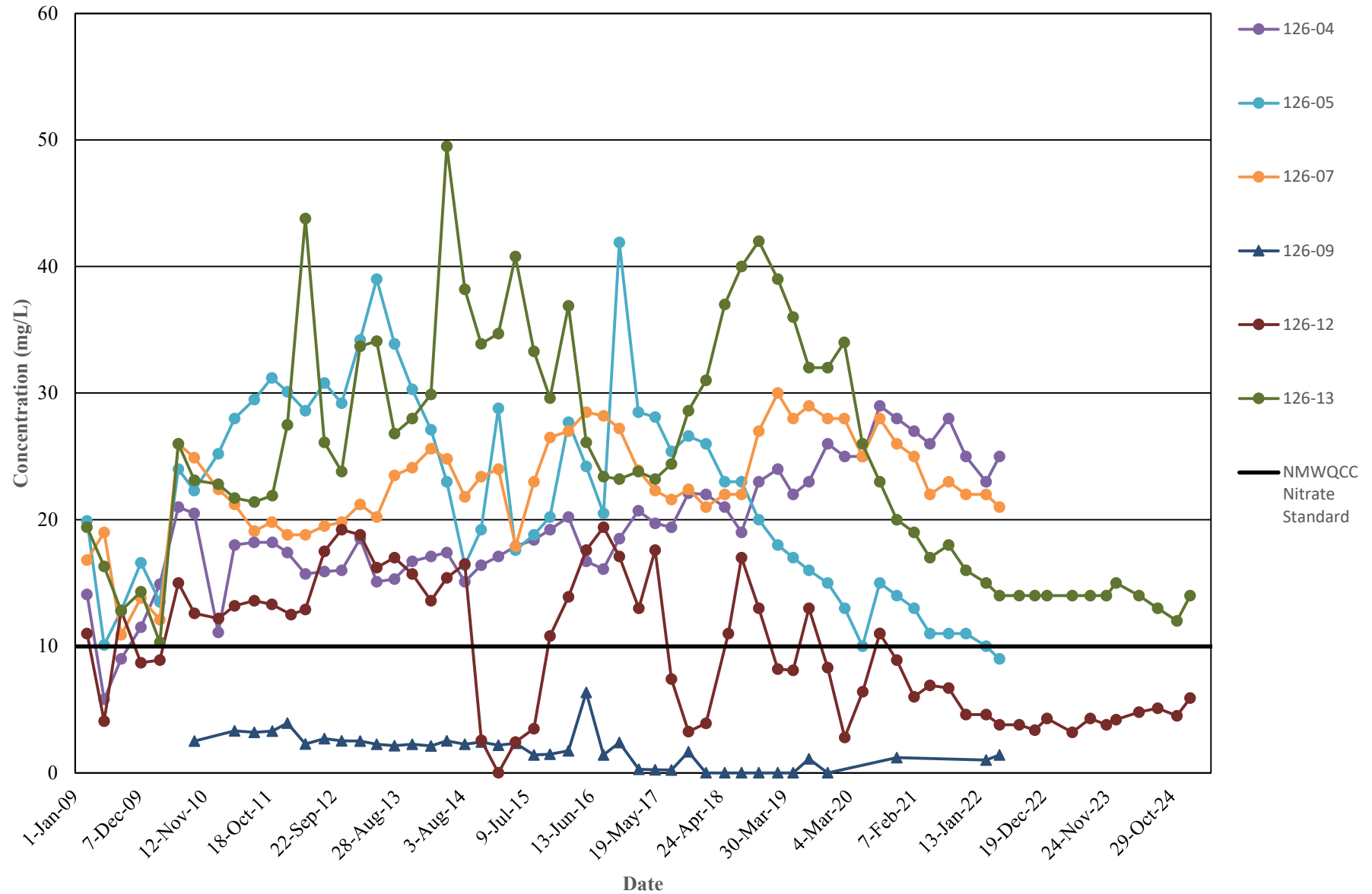
NITRATE CONCENTRATION TRENDS
ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



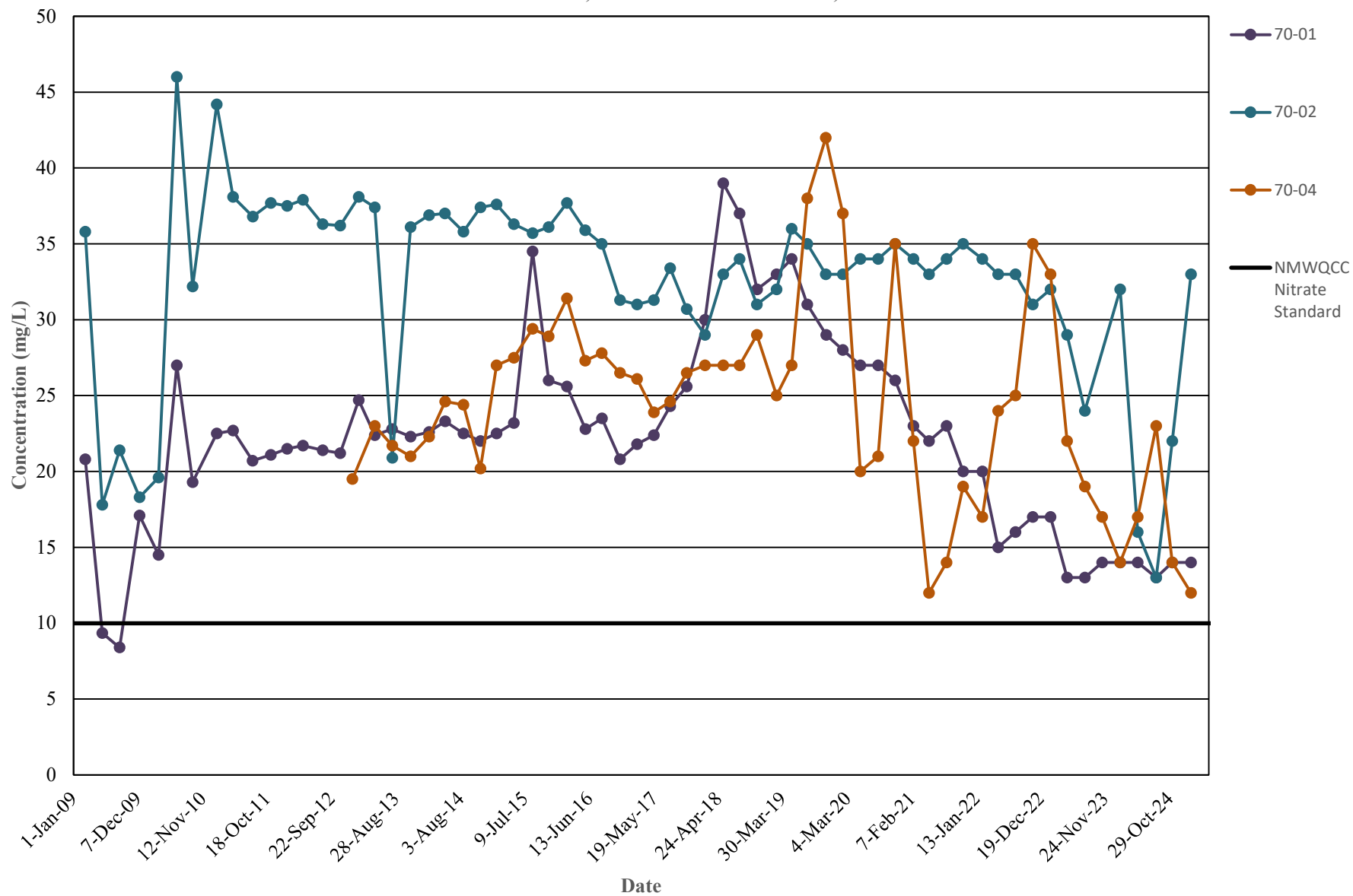
NITRATE CONCENTRATION TRENDS
NORTHERN LAND APPLICATION AREA, DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



NITRATE CONCENTRATION TRENDS
ORGAN DAIRY (DEL NORTE DAIRY/DAYBREAK DAIRY) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



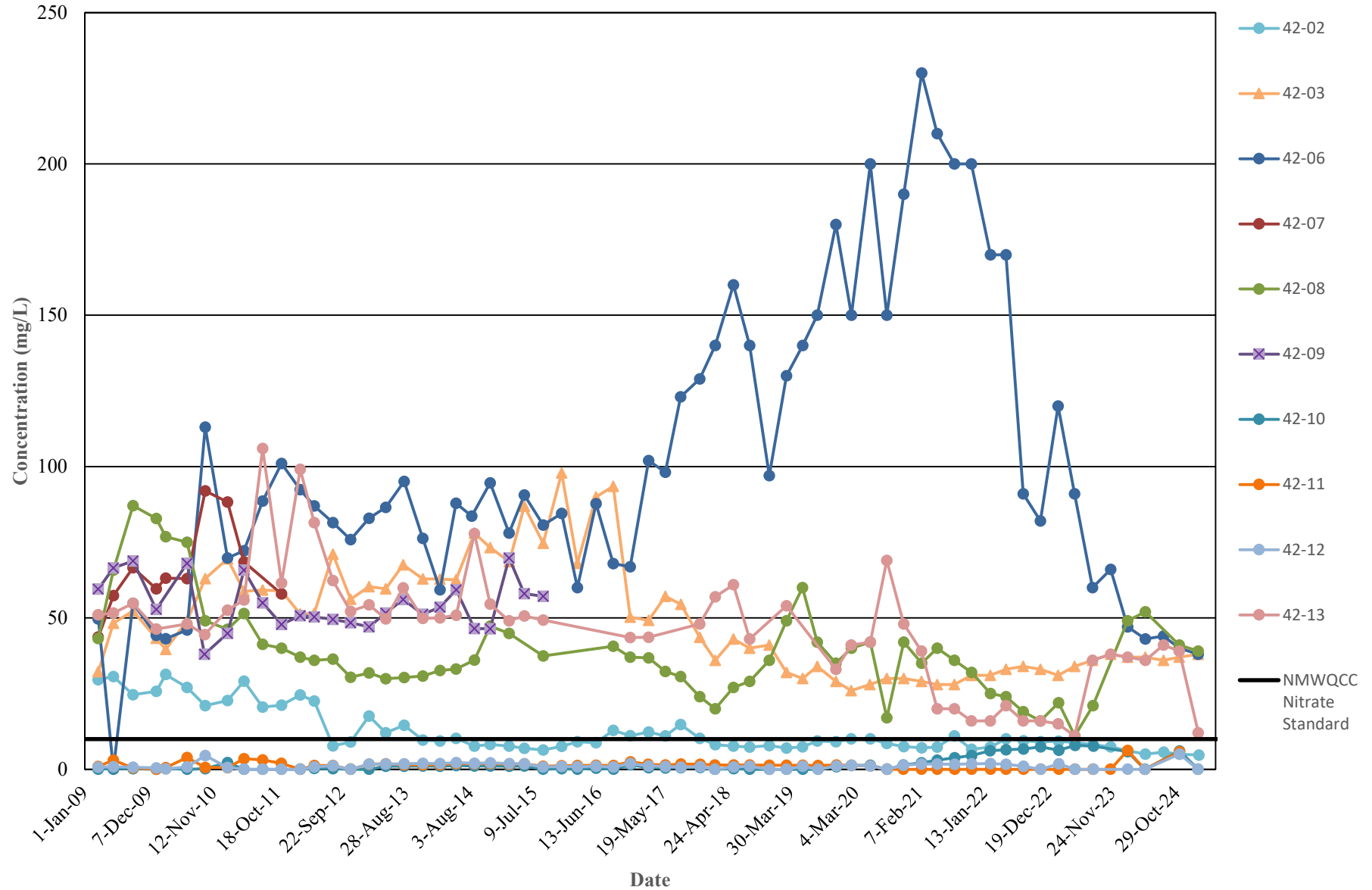
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MOUNTAIN VIEW DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



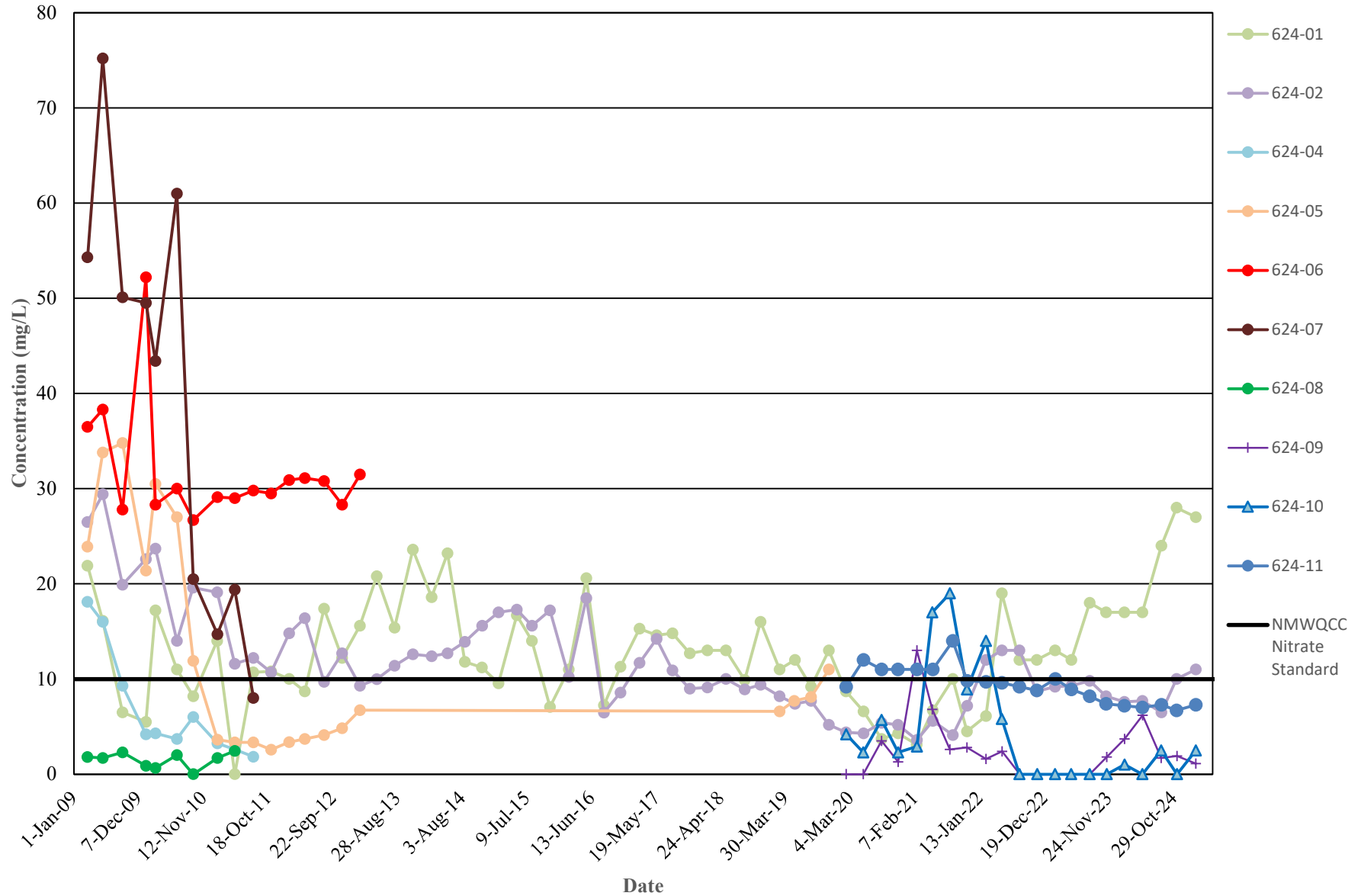
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BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



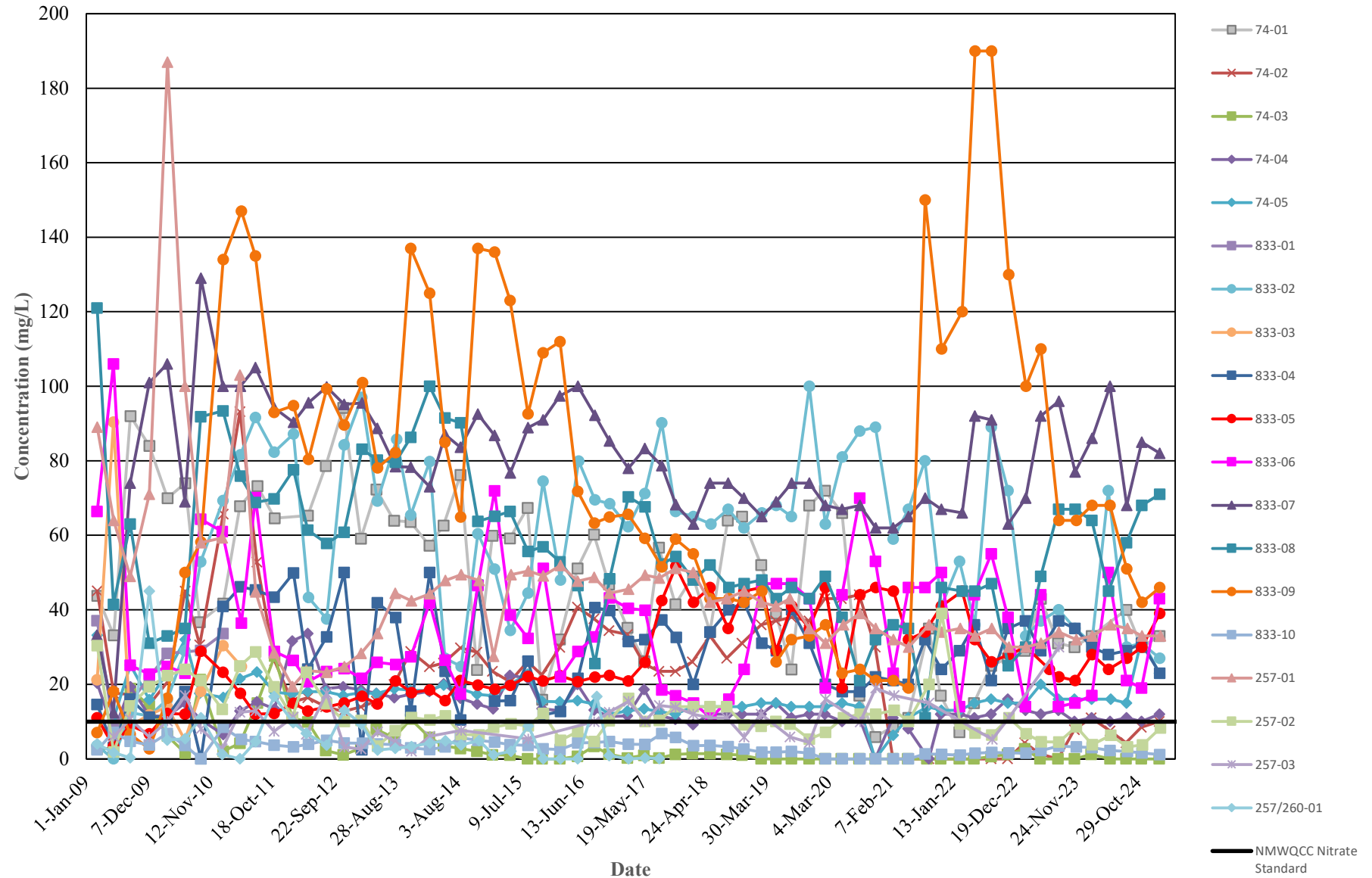
NITRATE CONCENTRATION TRENDS
FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



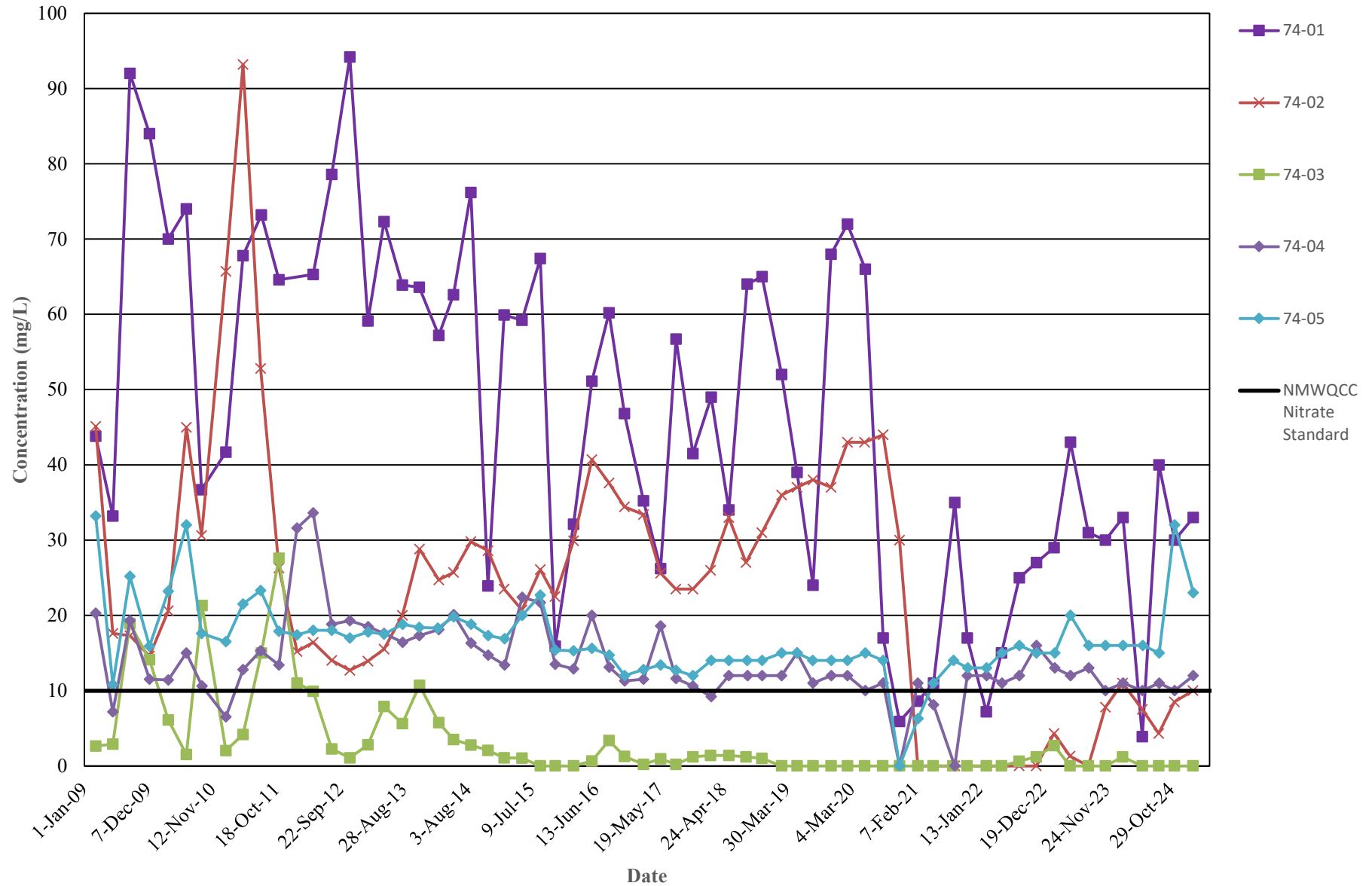
NITRATE CONCENTRATION TRENDS
DOMINGUEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



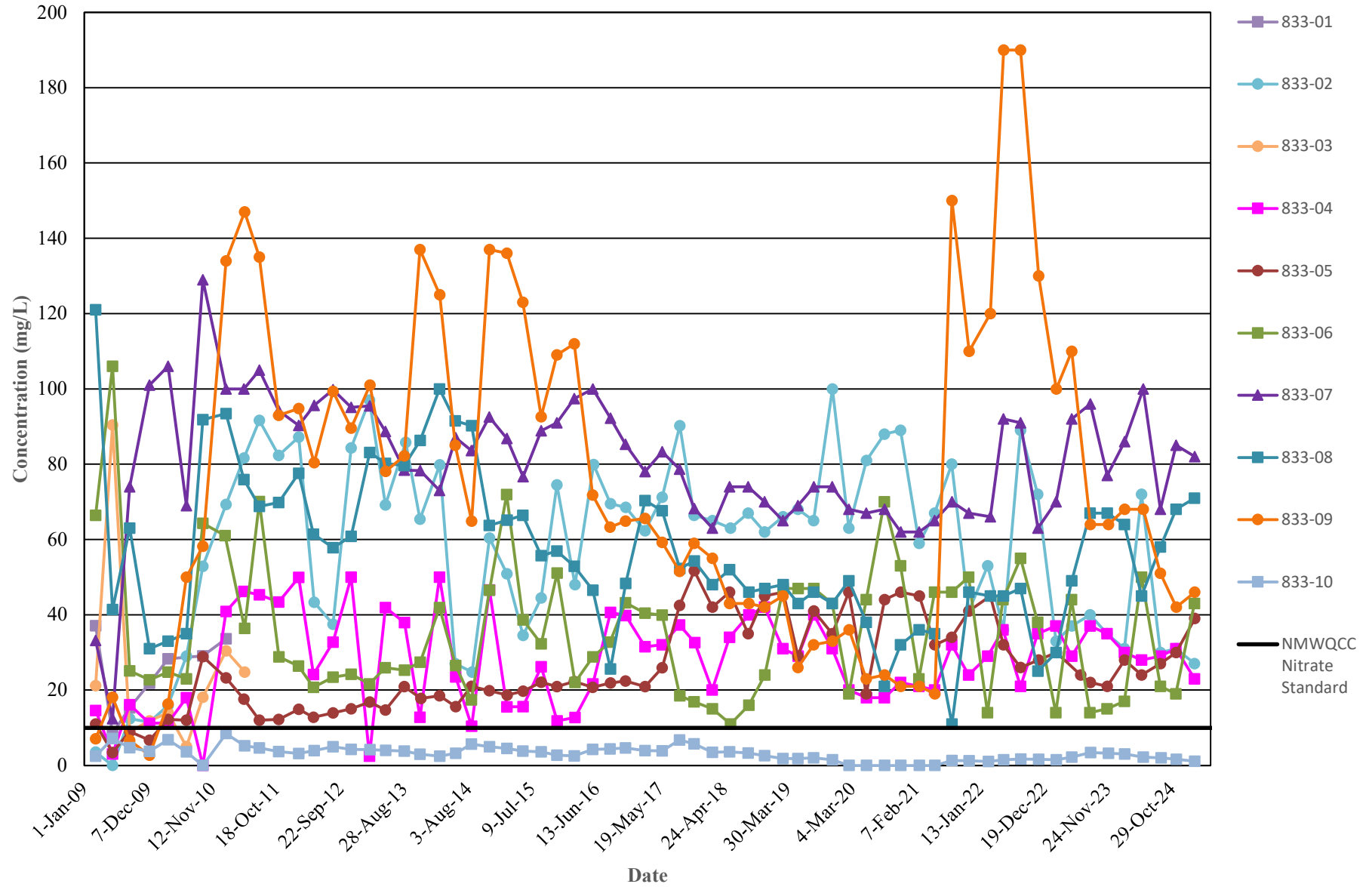
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ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



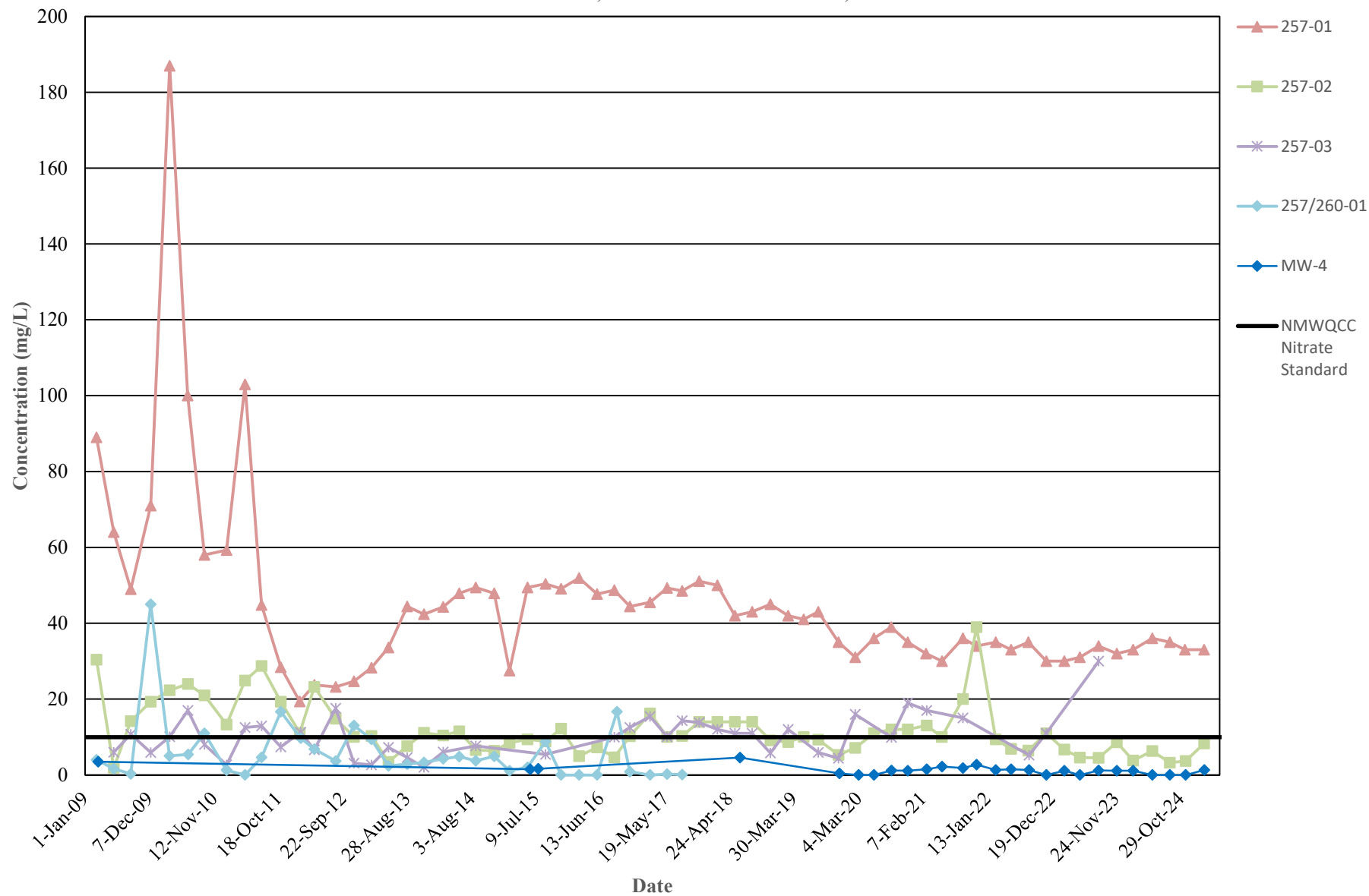
NITRATE CONCENTRATION TRENDS
BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



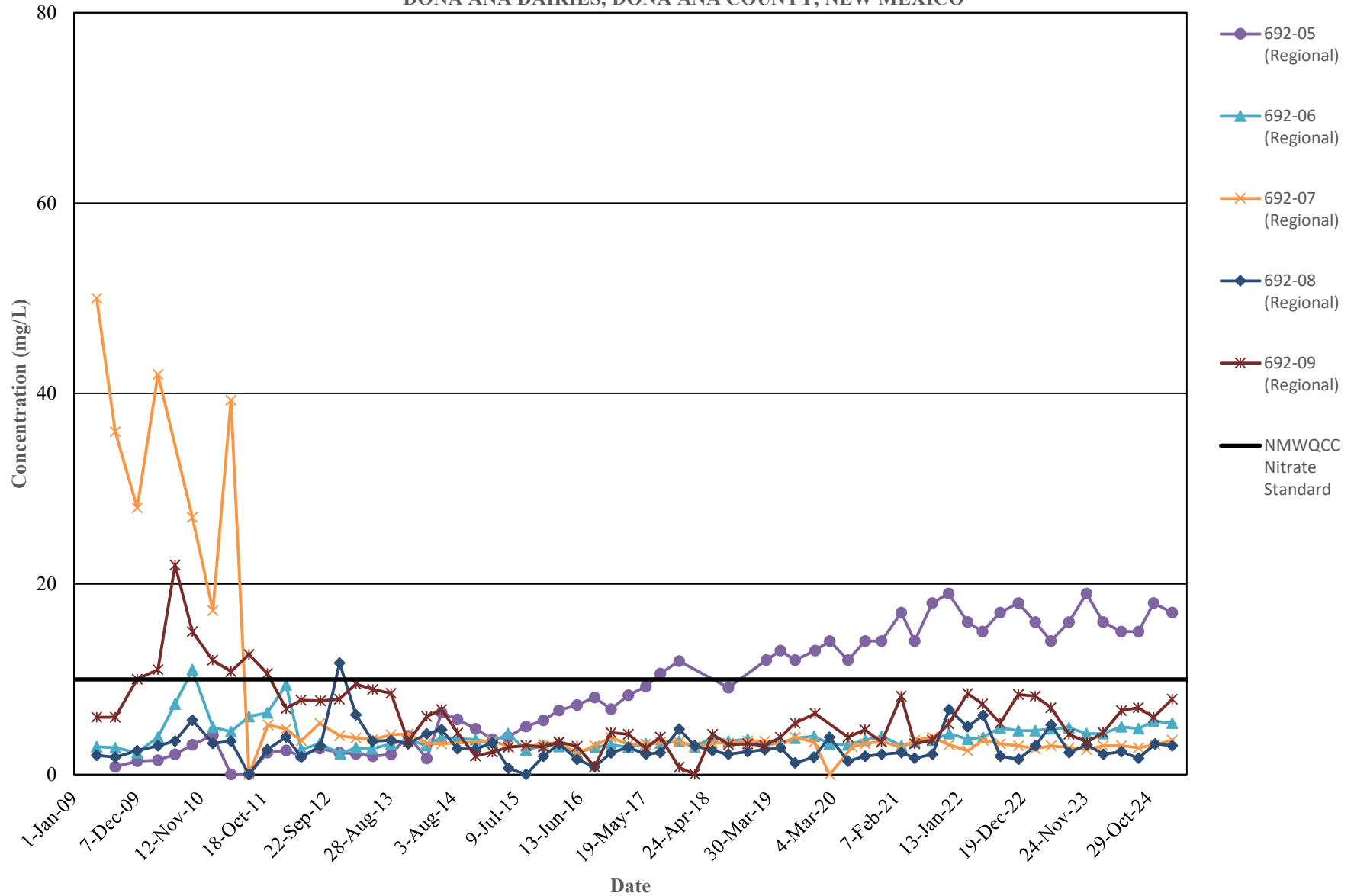
NITRATE CONCENTRATION TRENDS
BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



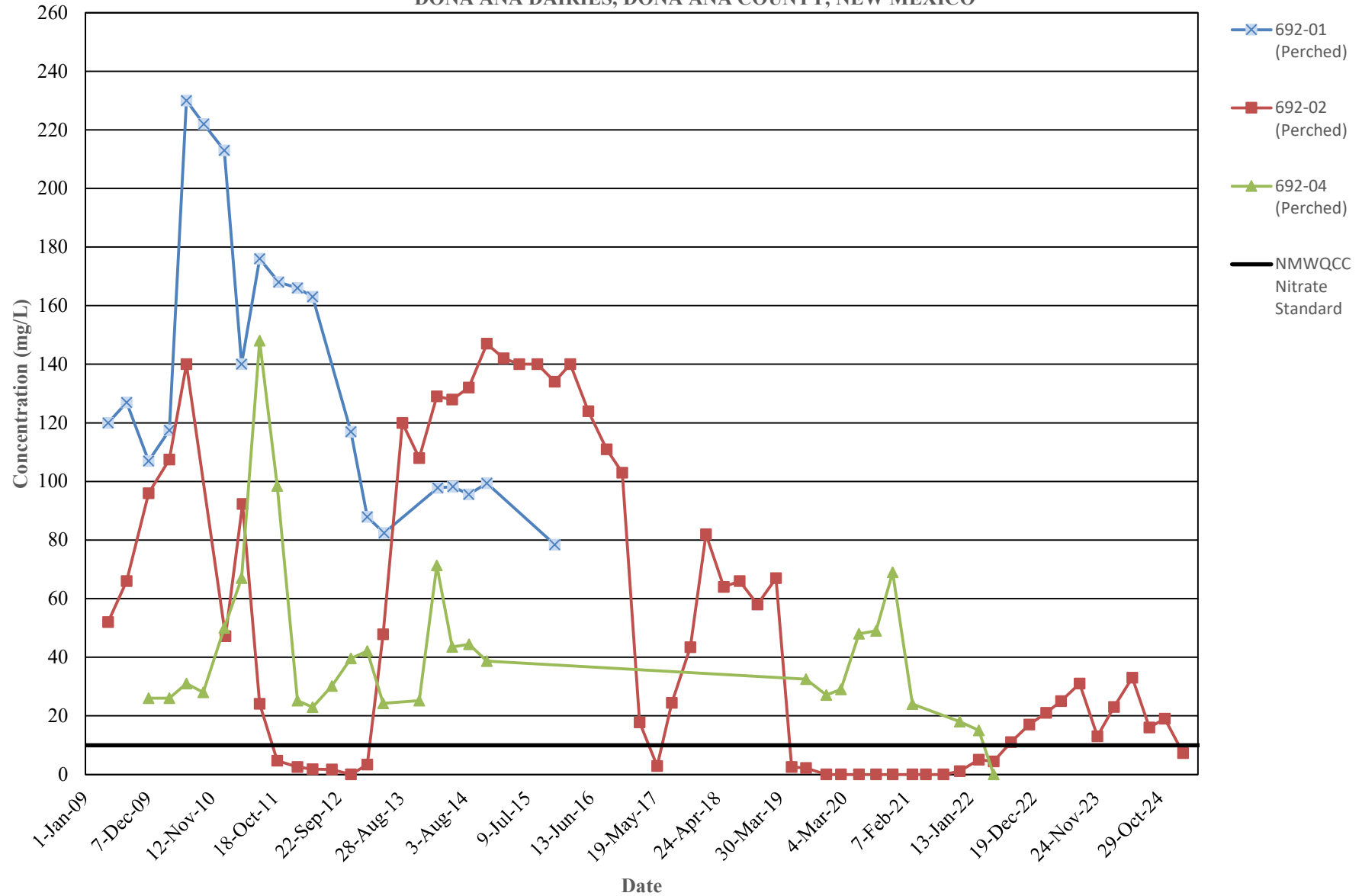
NITRATE CONCENTRATION TRENDS **SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS** **DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



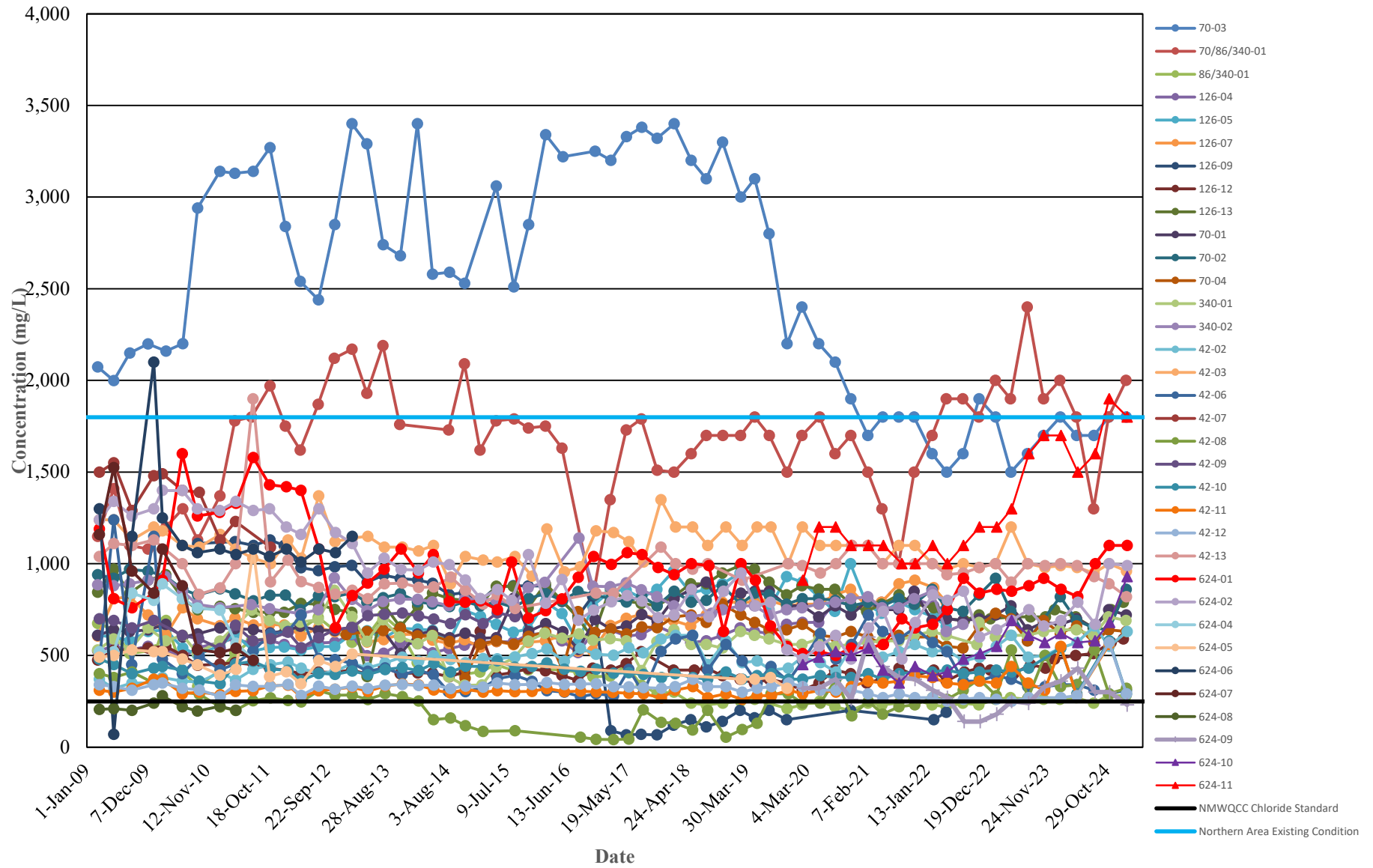
NITRATE CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



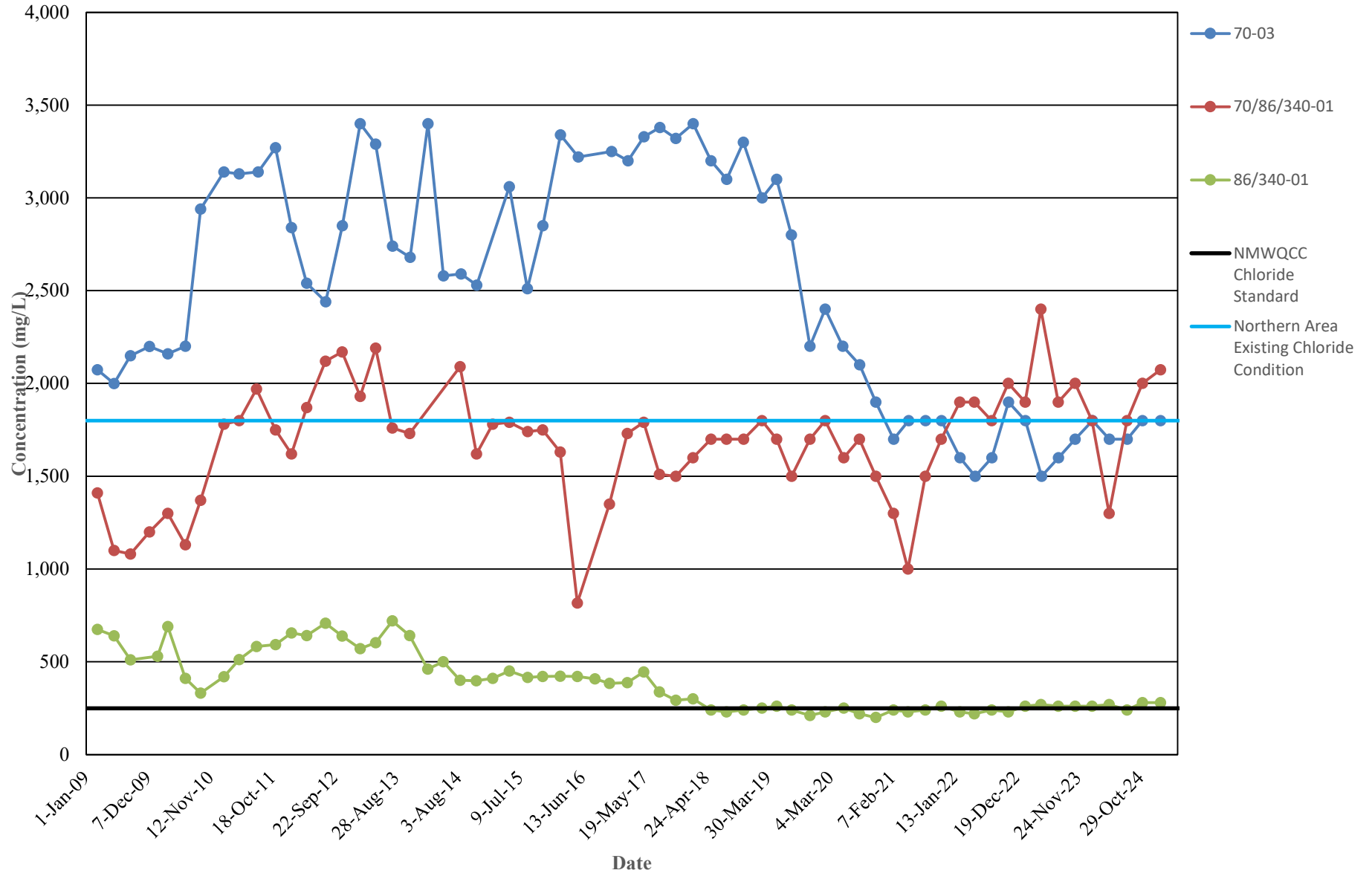
NITRATE CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



CHLORIDE CONCENTRATION TRENDS
ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



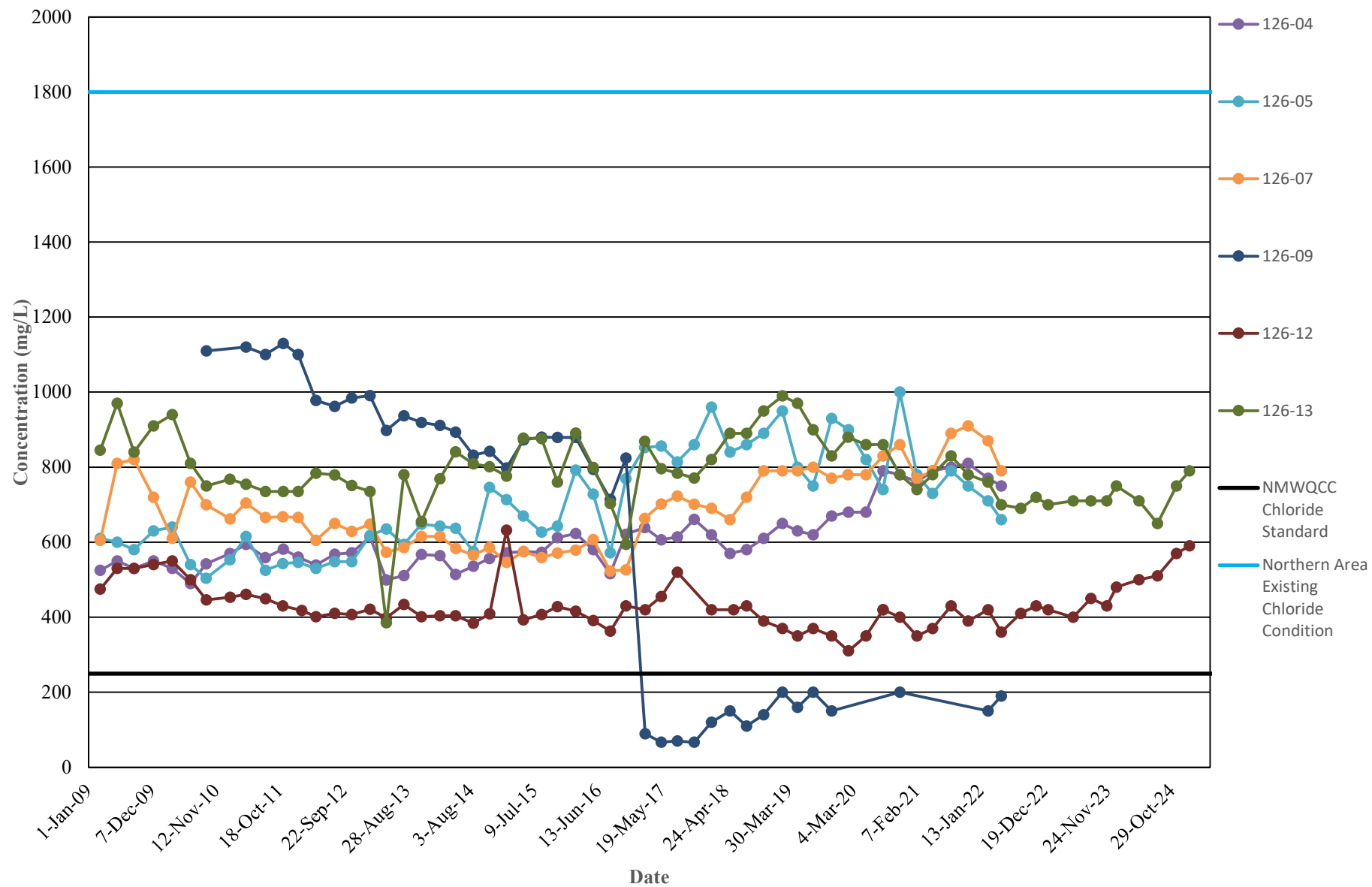
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NORTHERN LAND APPLICATION AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



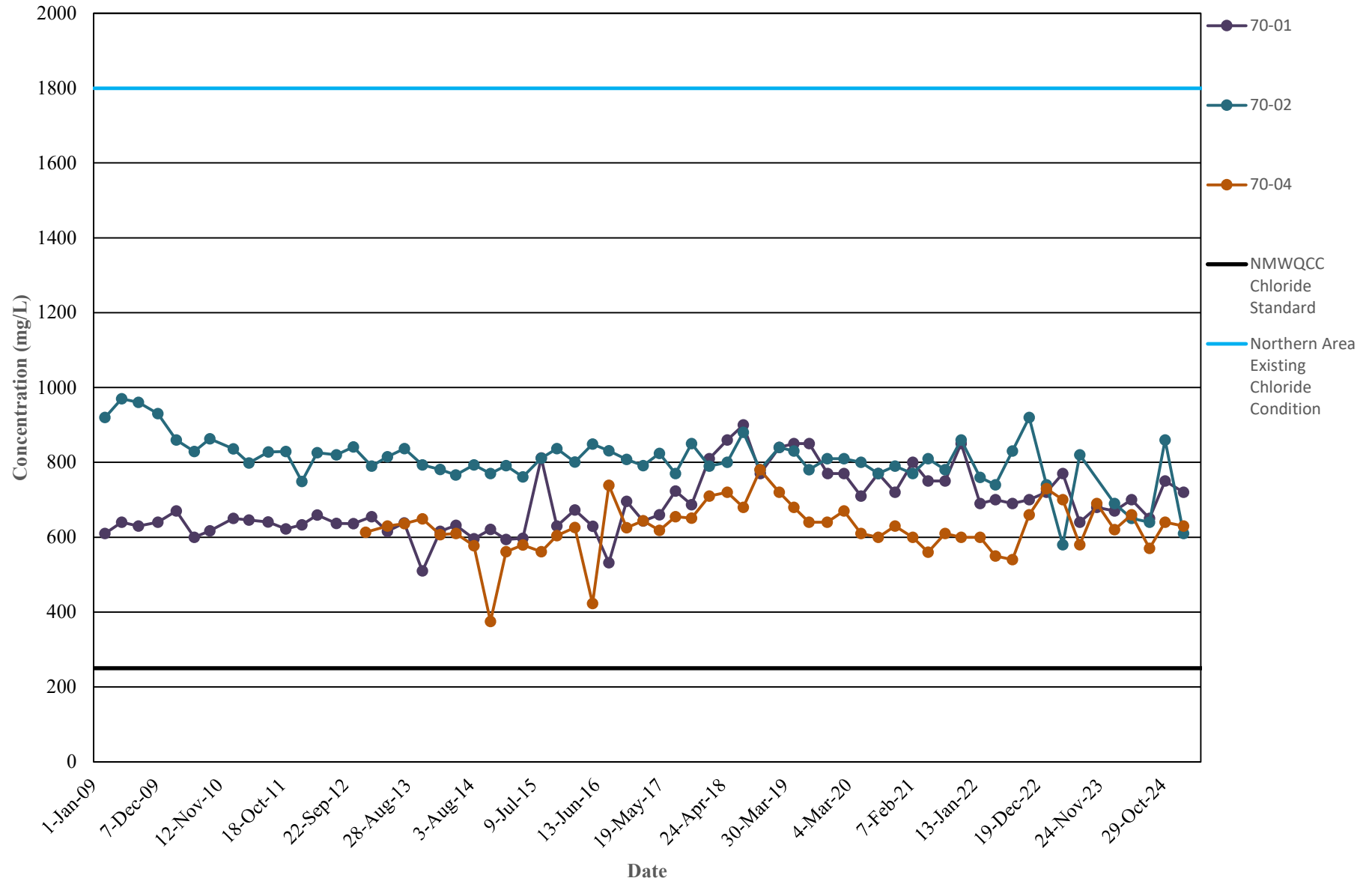
CHLORIDE CONCENTRATION TRENDS

ORGAN DAIRY (DEL NORTE DAIRY/DAYBREAD DAIRY) DISCHARGE PLAN MONITORING WELLS

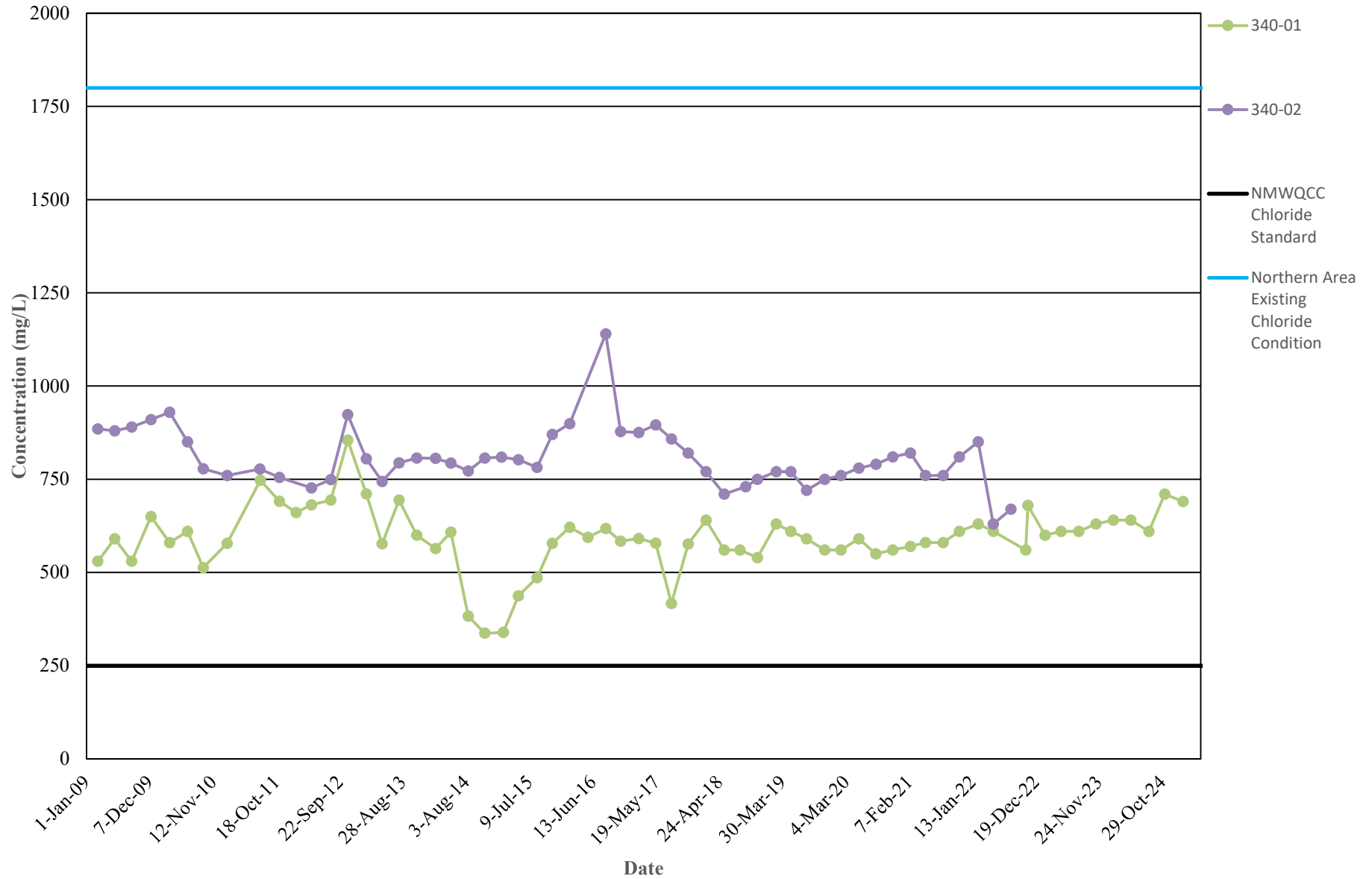
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



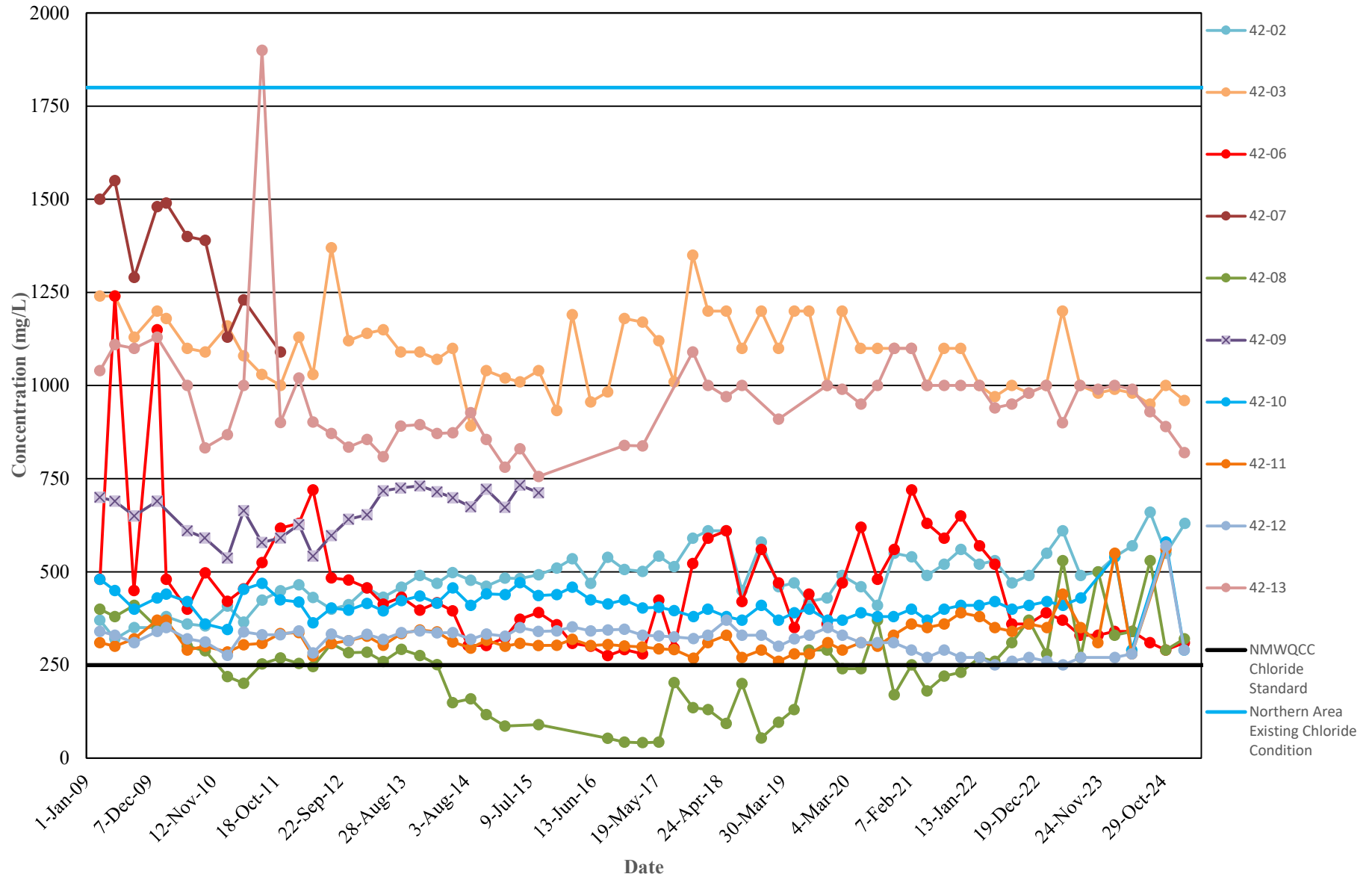
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MOUNTAIN VIEW DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



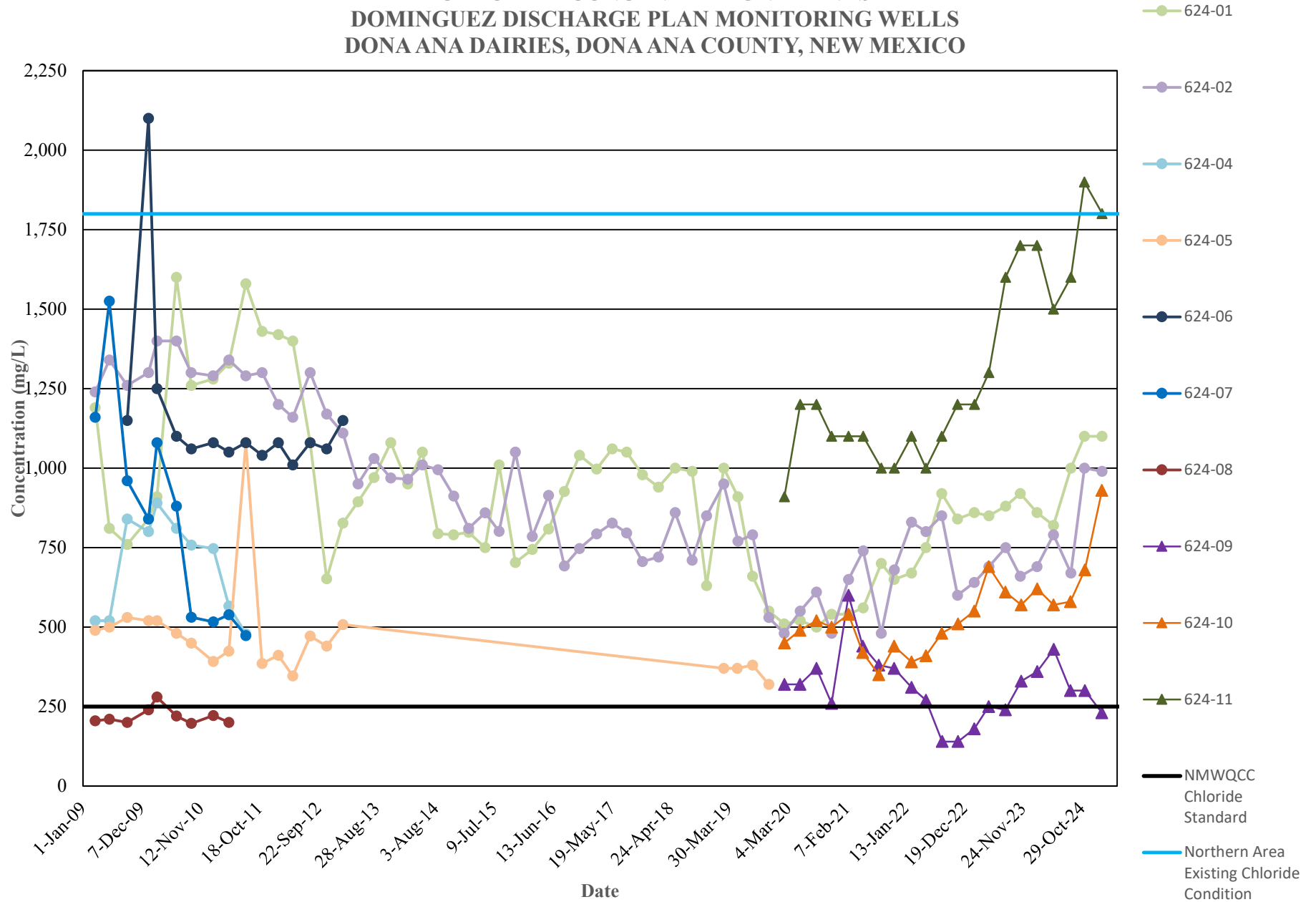
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BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



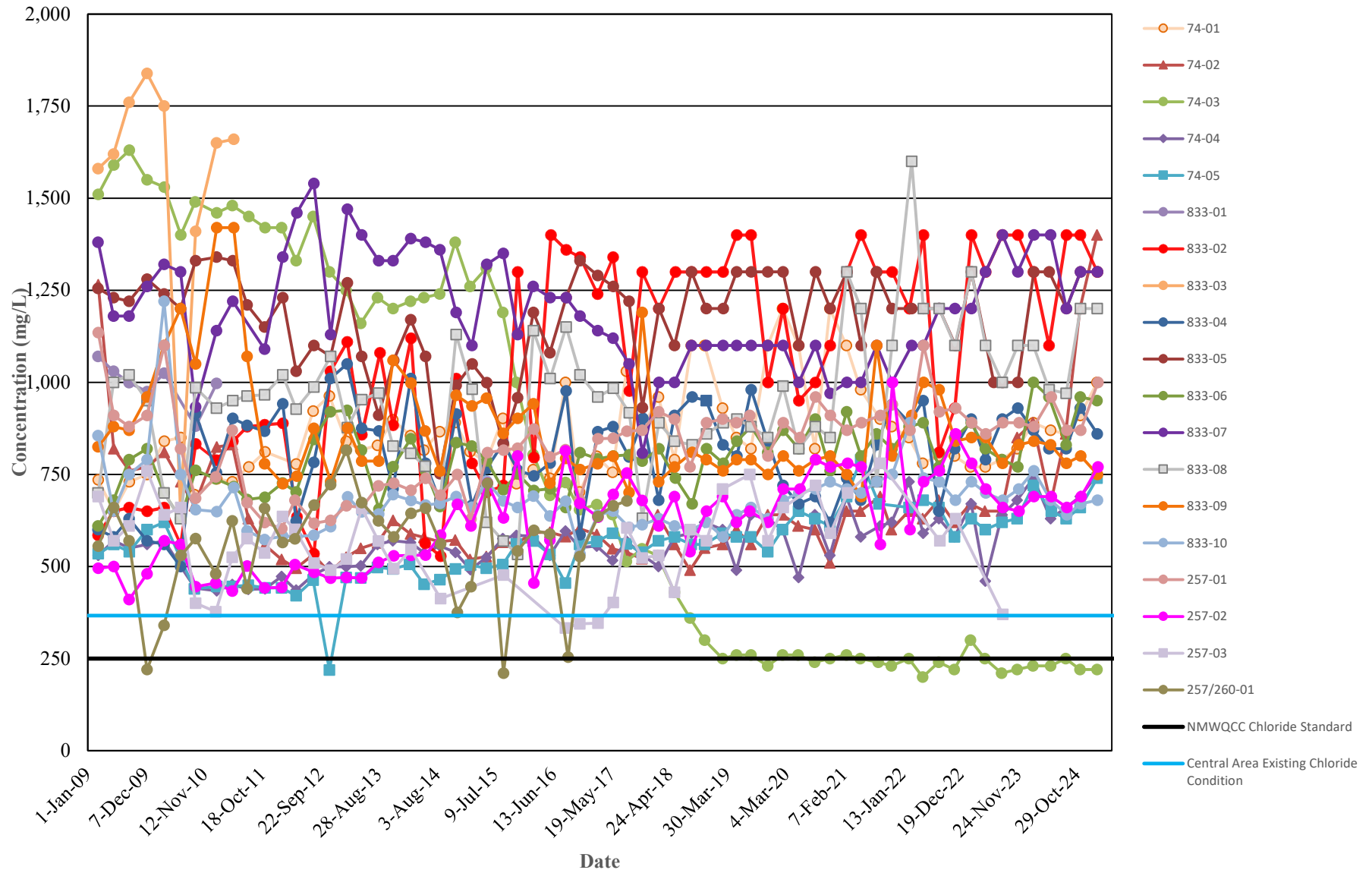
CHLORIDE CONCENTRATION TRENDS
FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



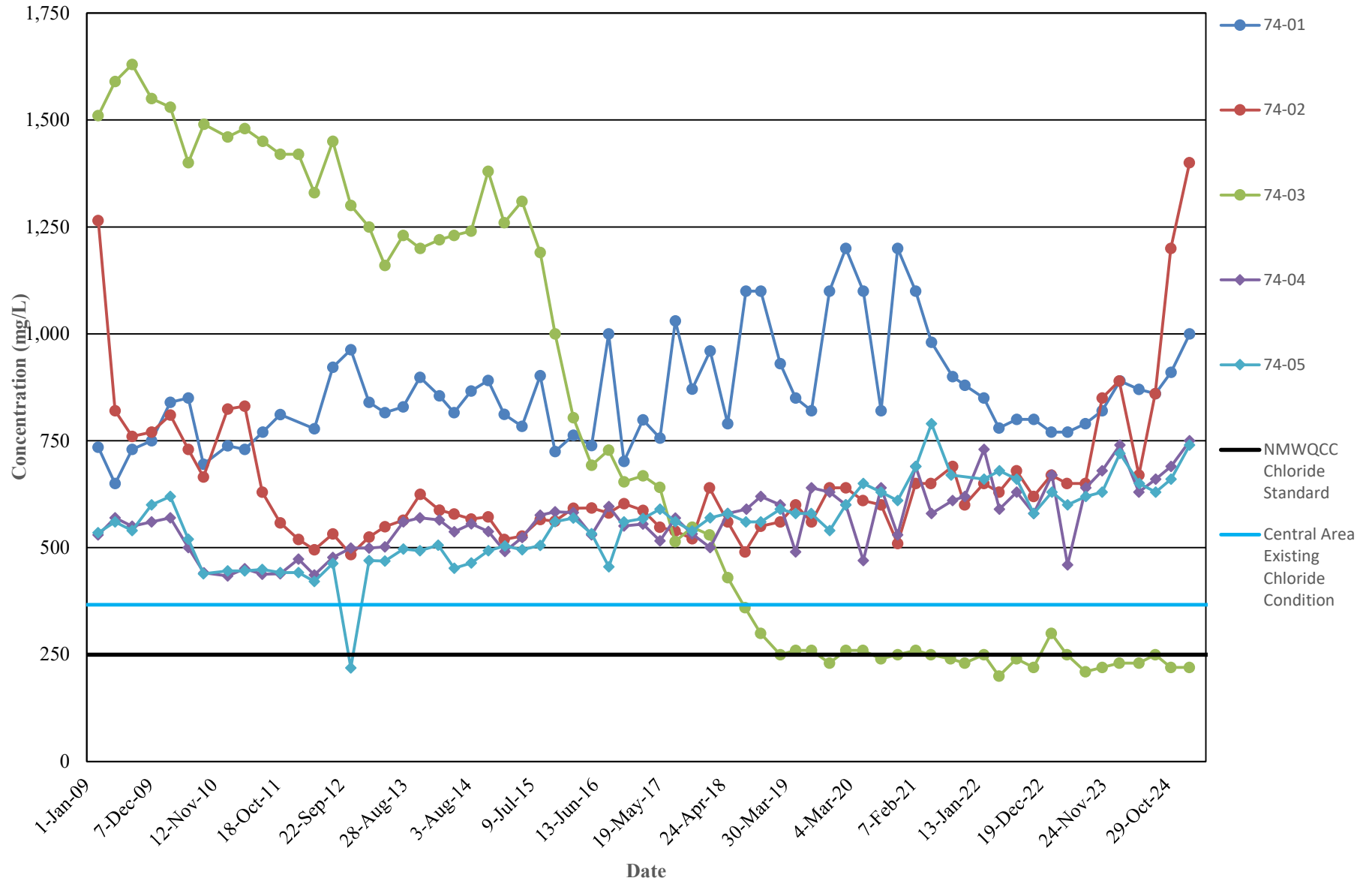
CHLORIDE CONCENTRATION TRENDS
DOMINGUEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



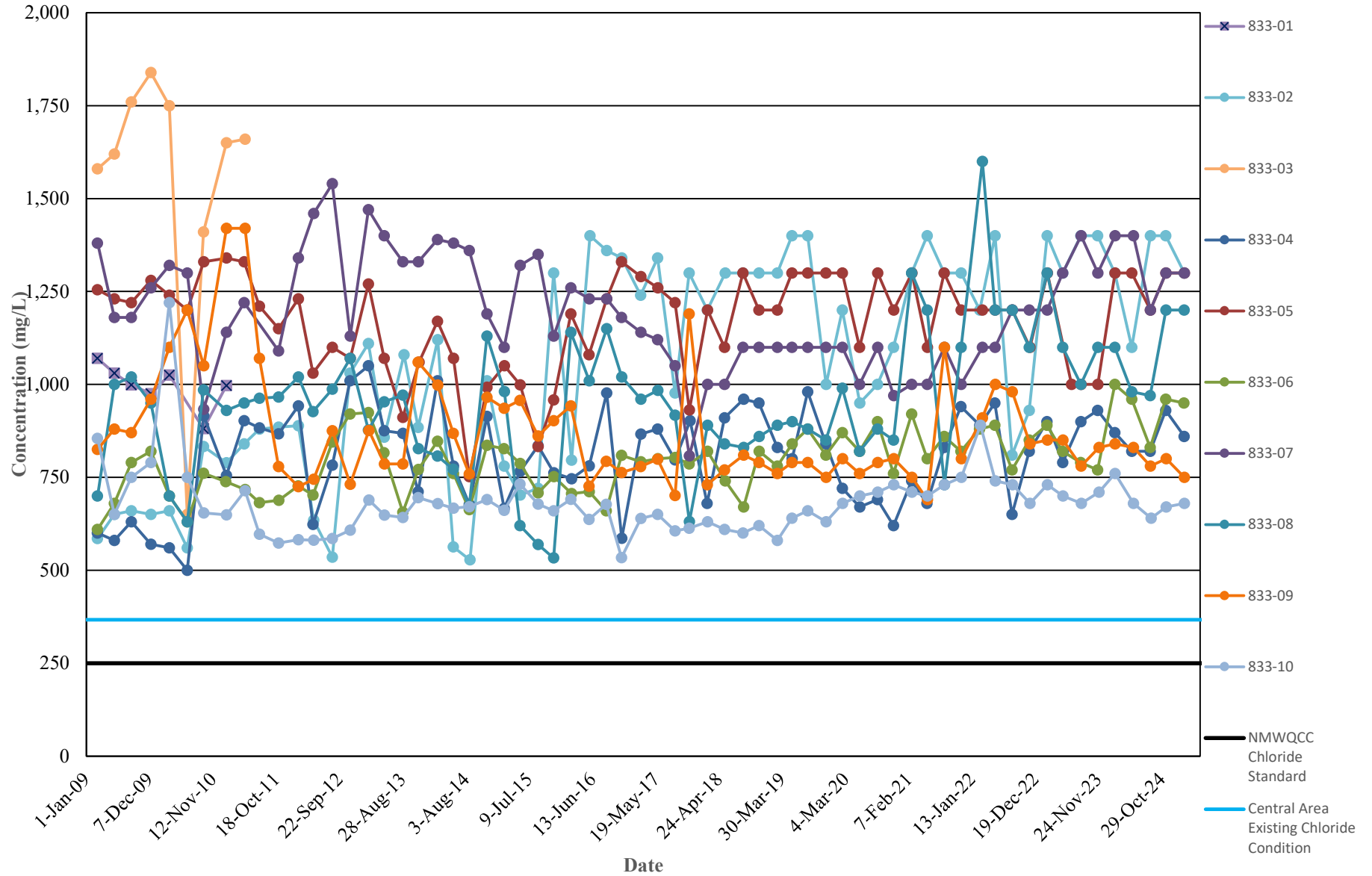
CHLORIDE CONCENTRATION TRENDS
ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



CHLORIDE CONCENTRATION TRENDS
BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



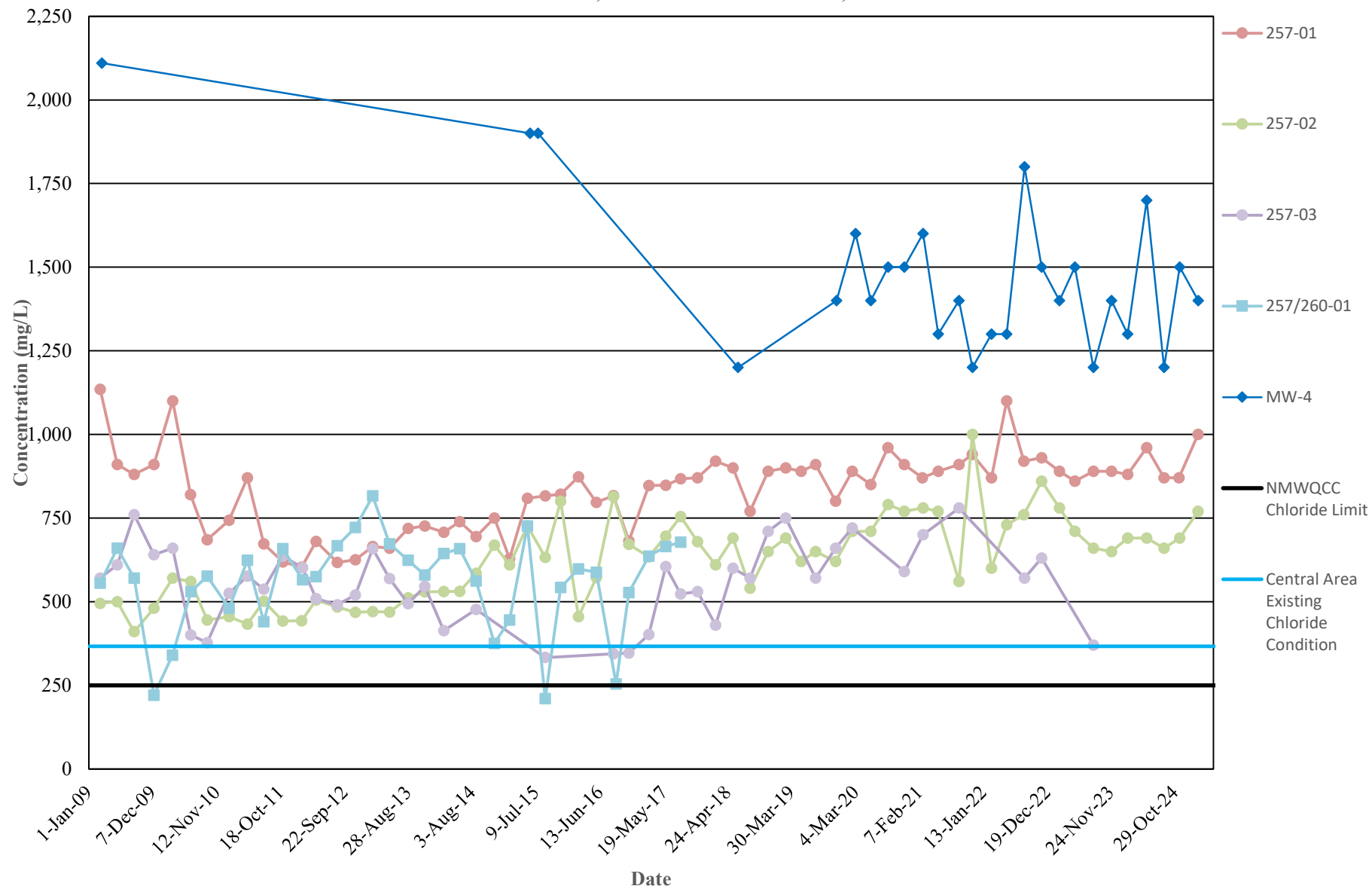
CHLORIDE CONCENTRATION TRENDS
BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



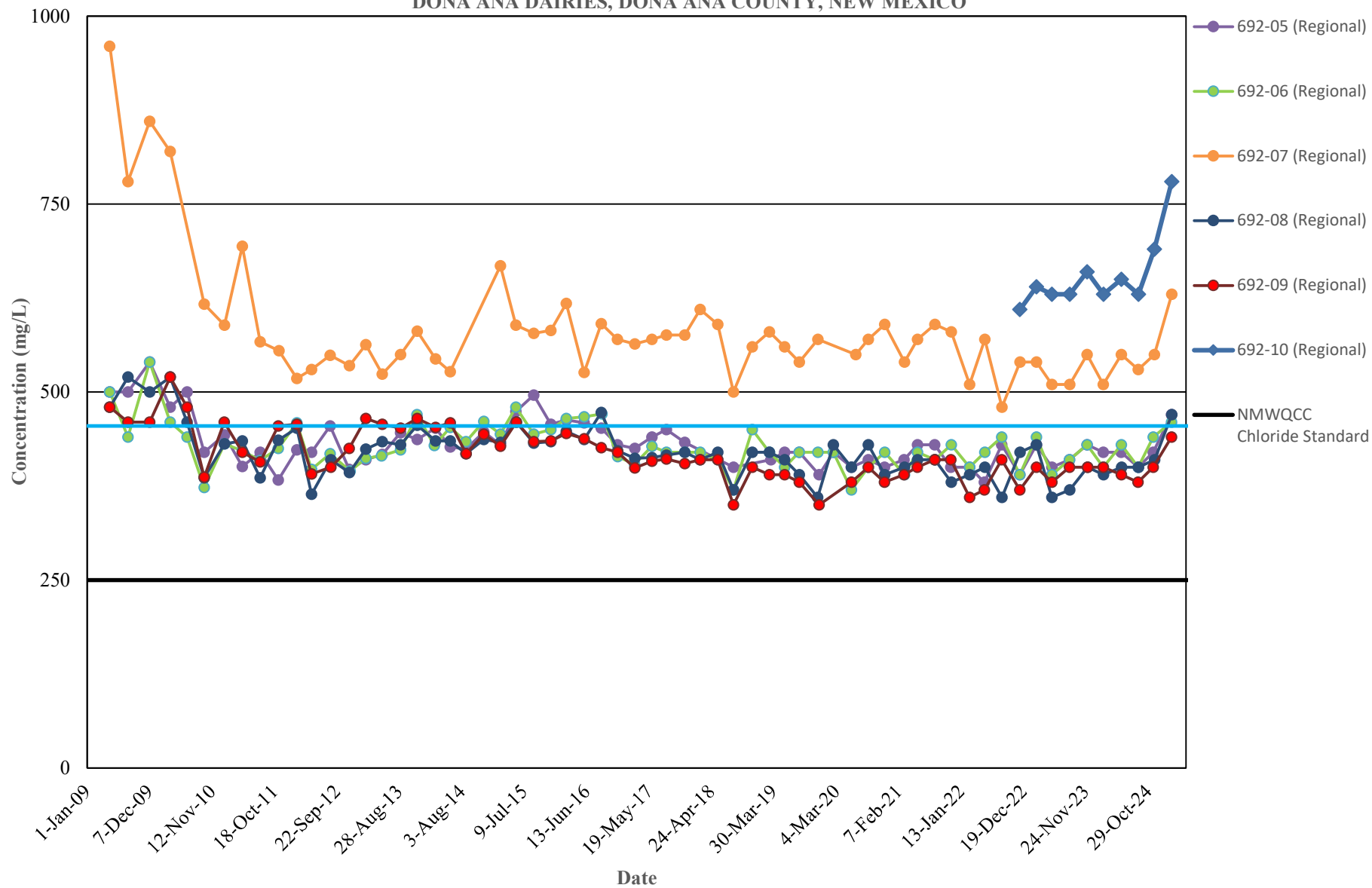
CHLORIDE CONCENTRATION TRENDS

SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS

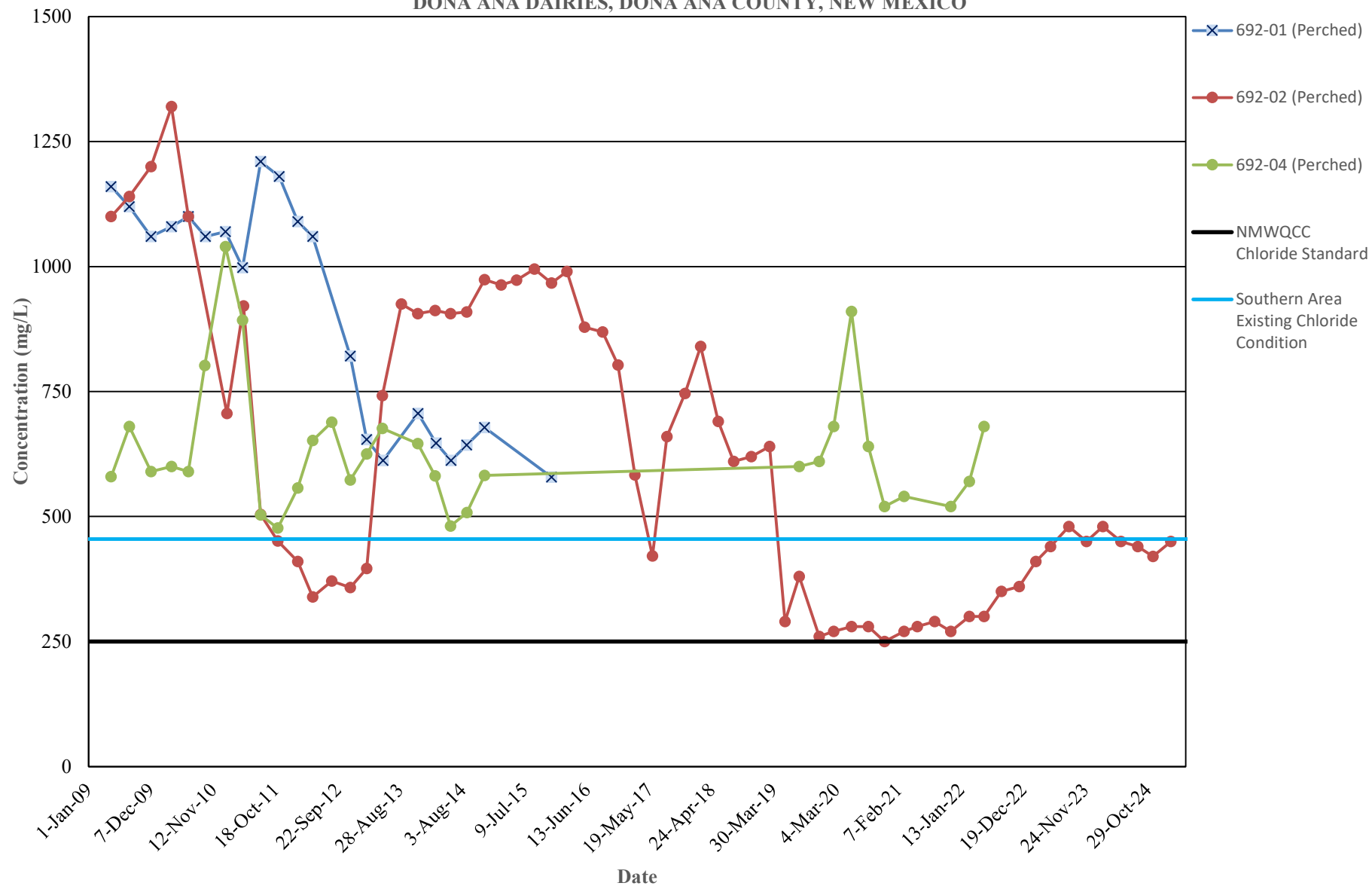
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



CHLORIDE CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



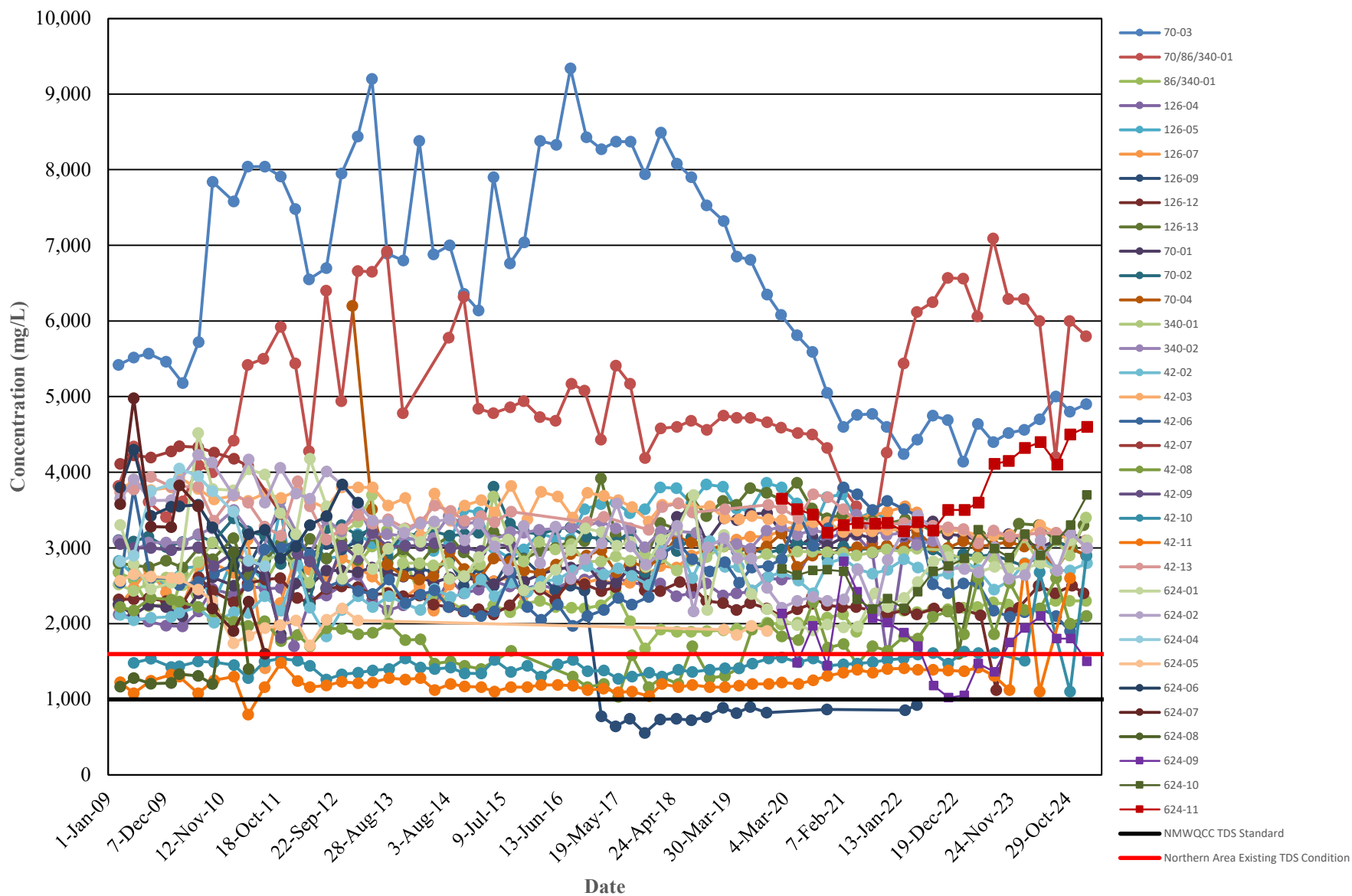
**CHLORIDE CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



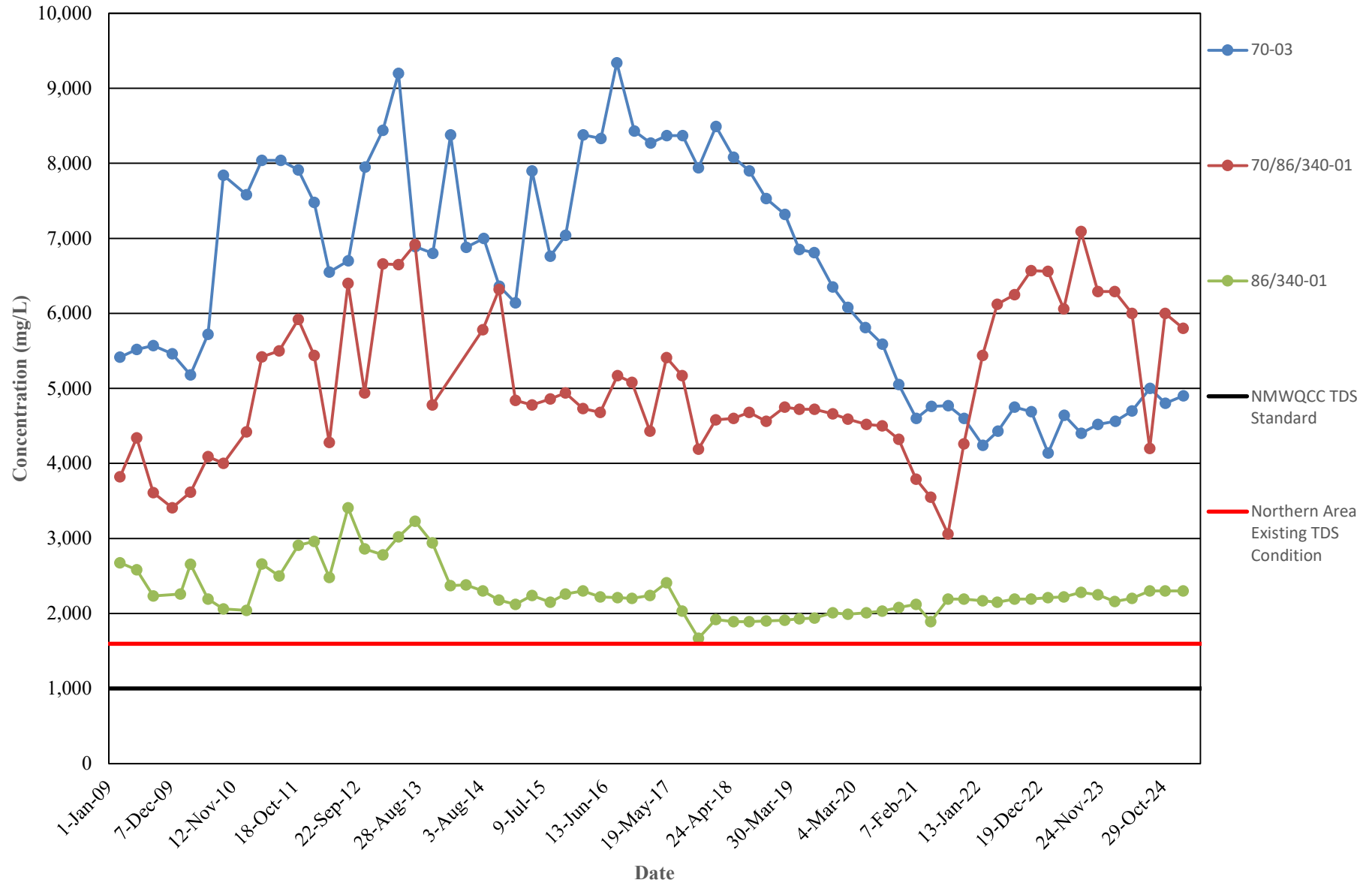
TDS CONCENTRATION TRENDS

ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS

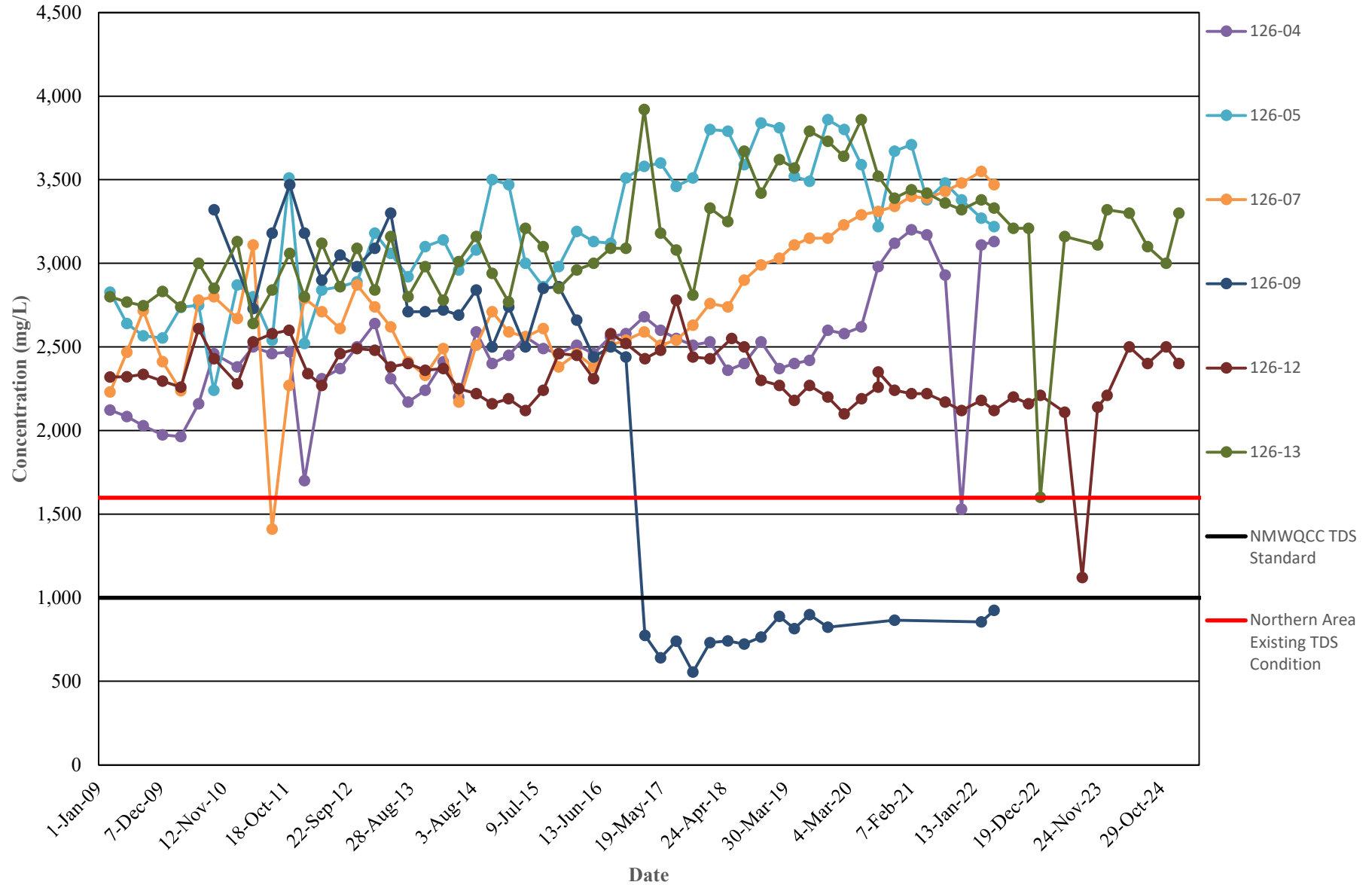
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



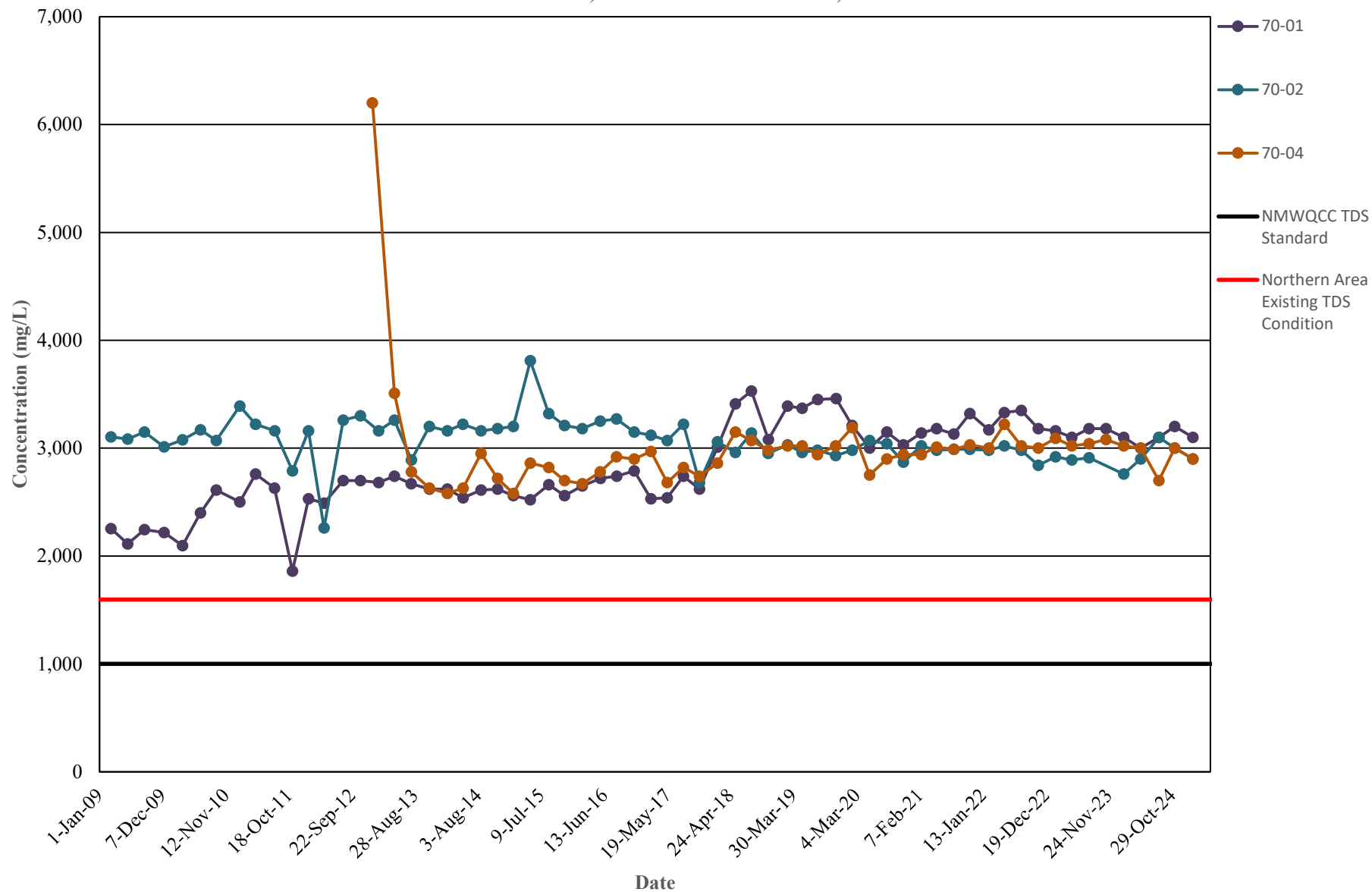
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NORTHERN LAND APPLICATION DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



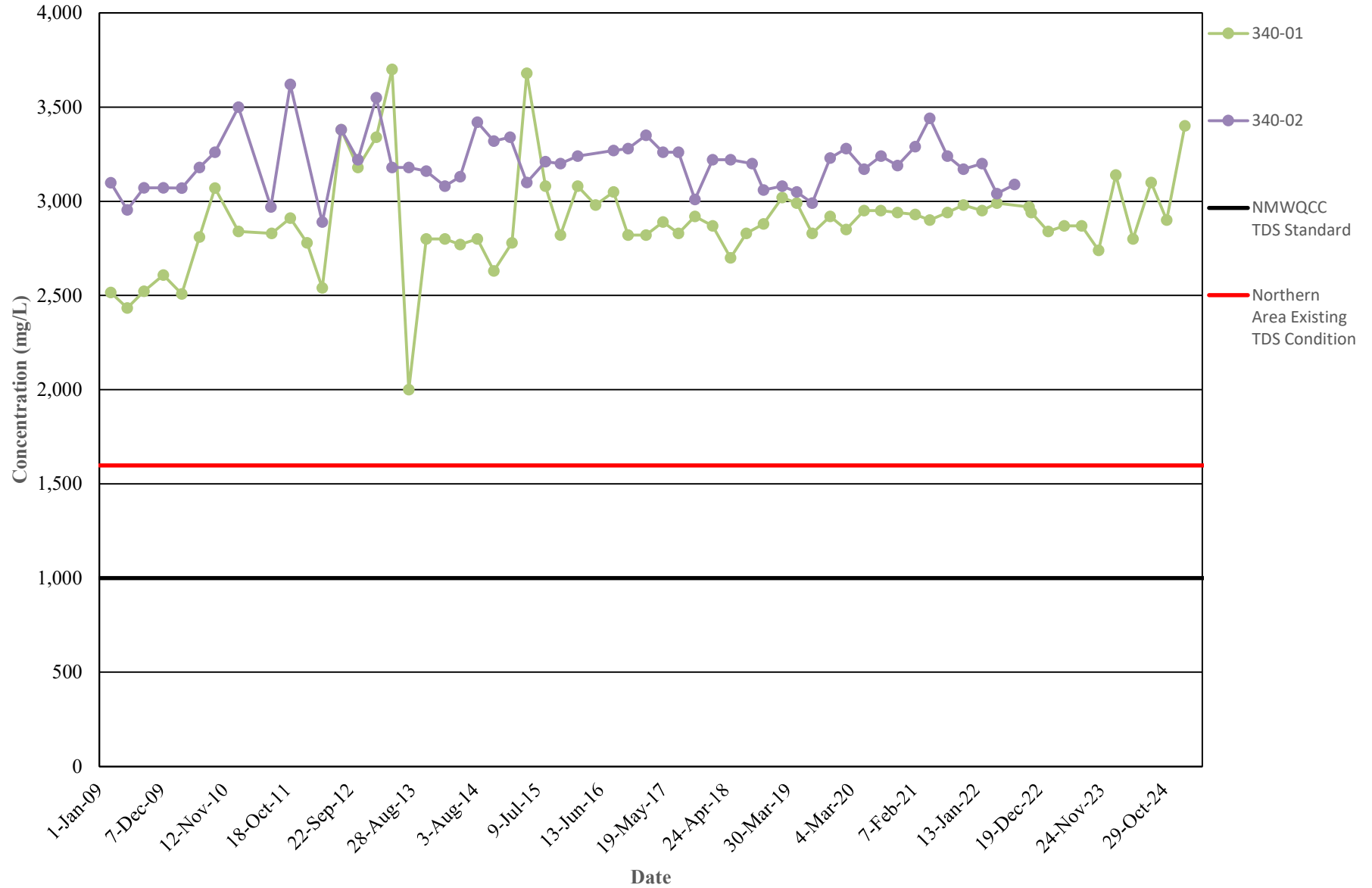
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ORGAN DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



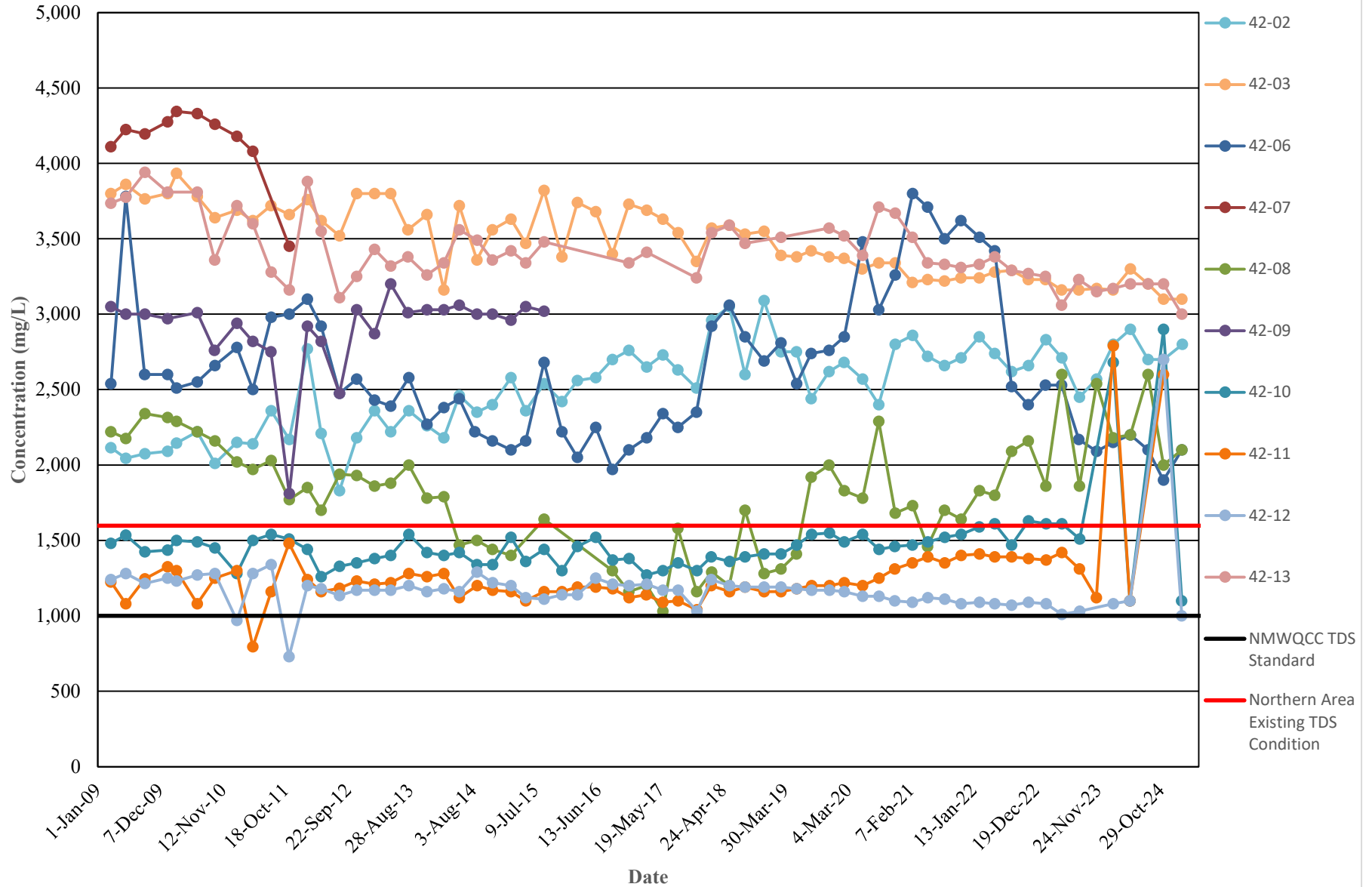
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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



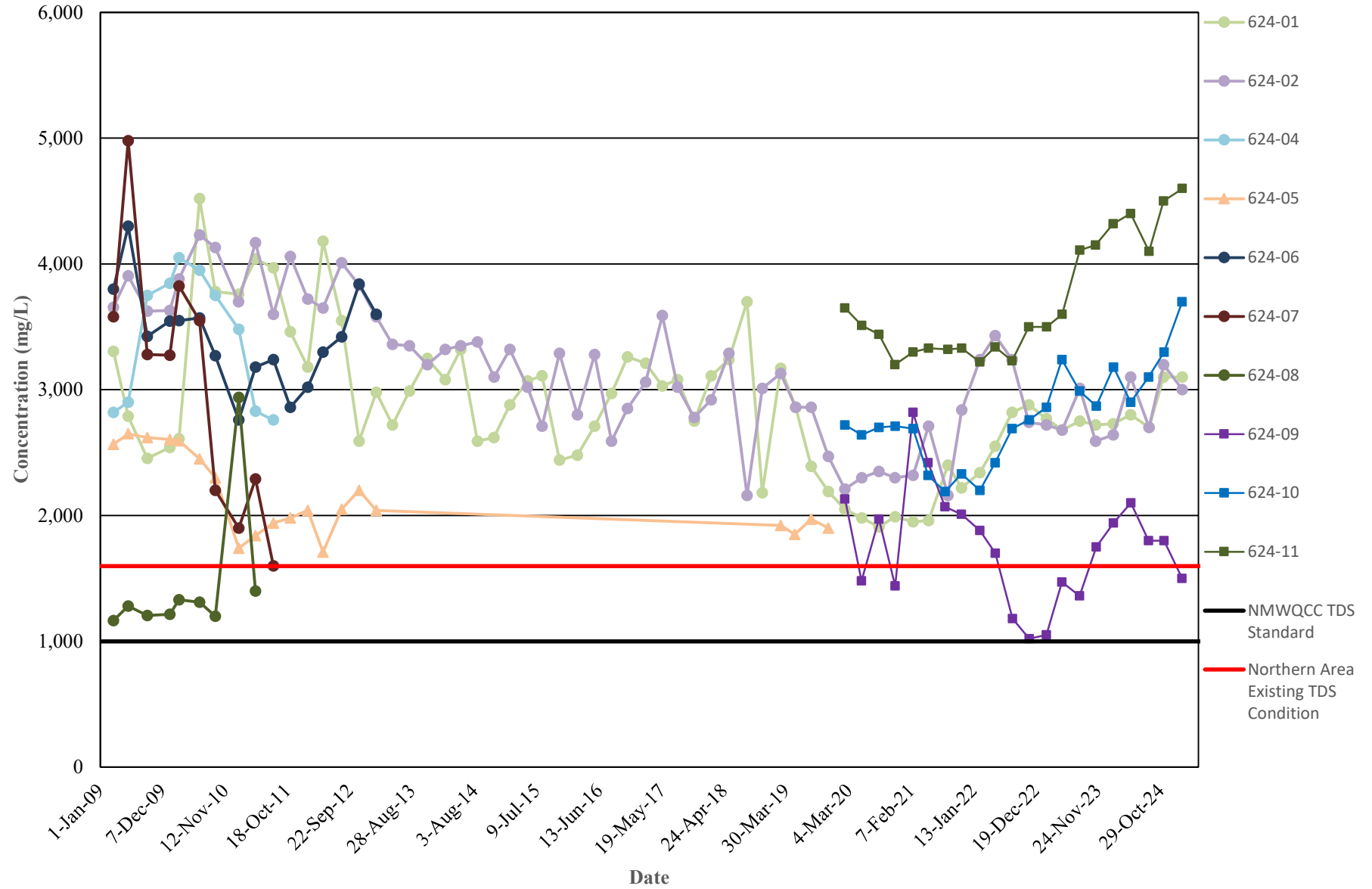
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BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



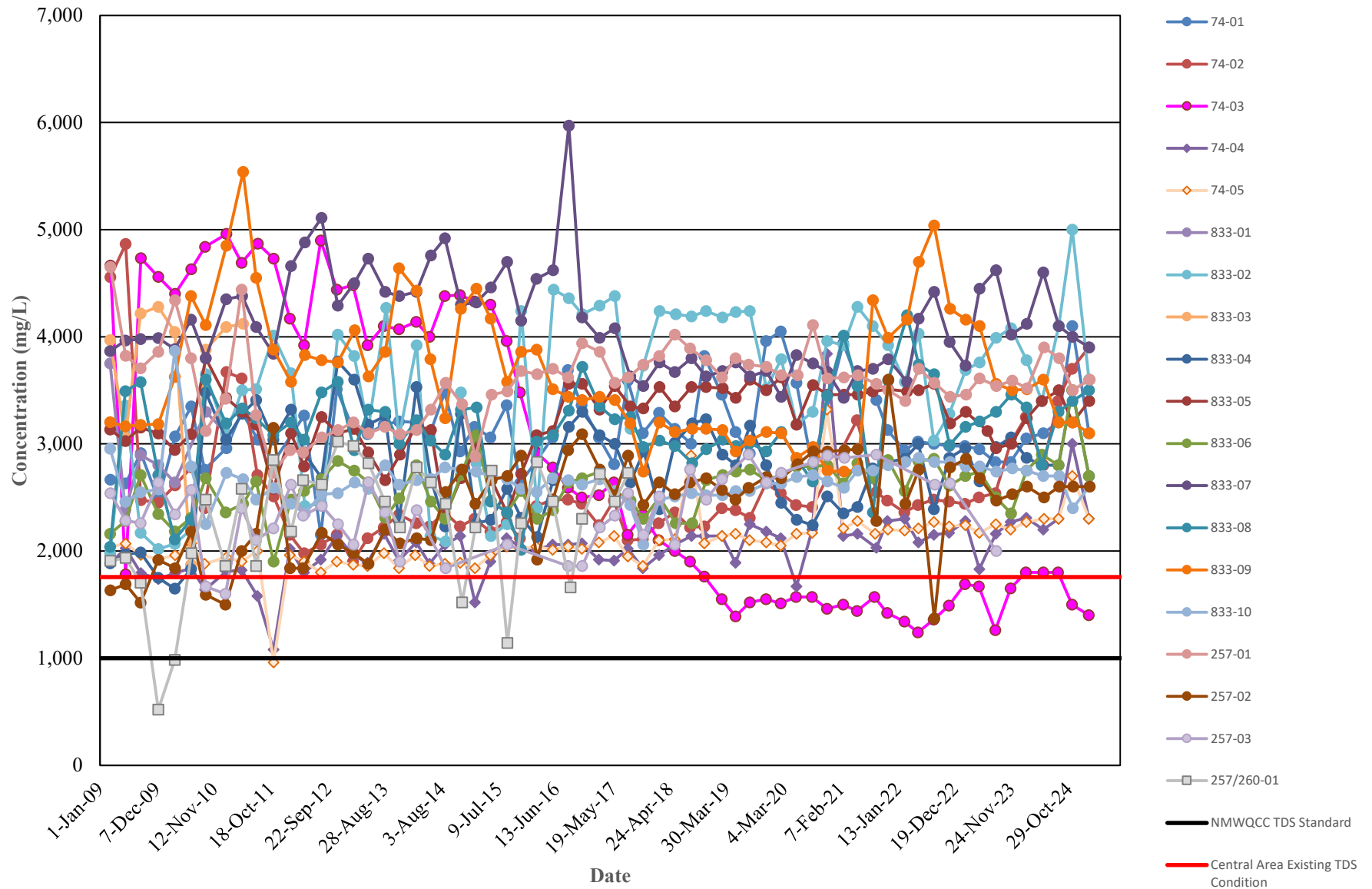
TDS CONCENTRATION TRENDS
FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



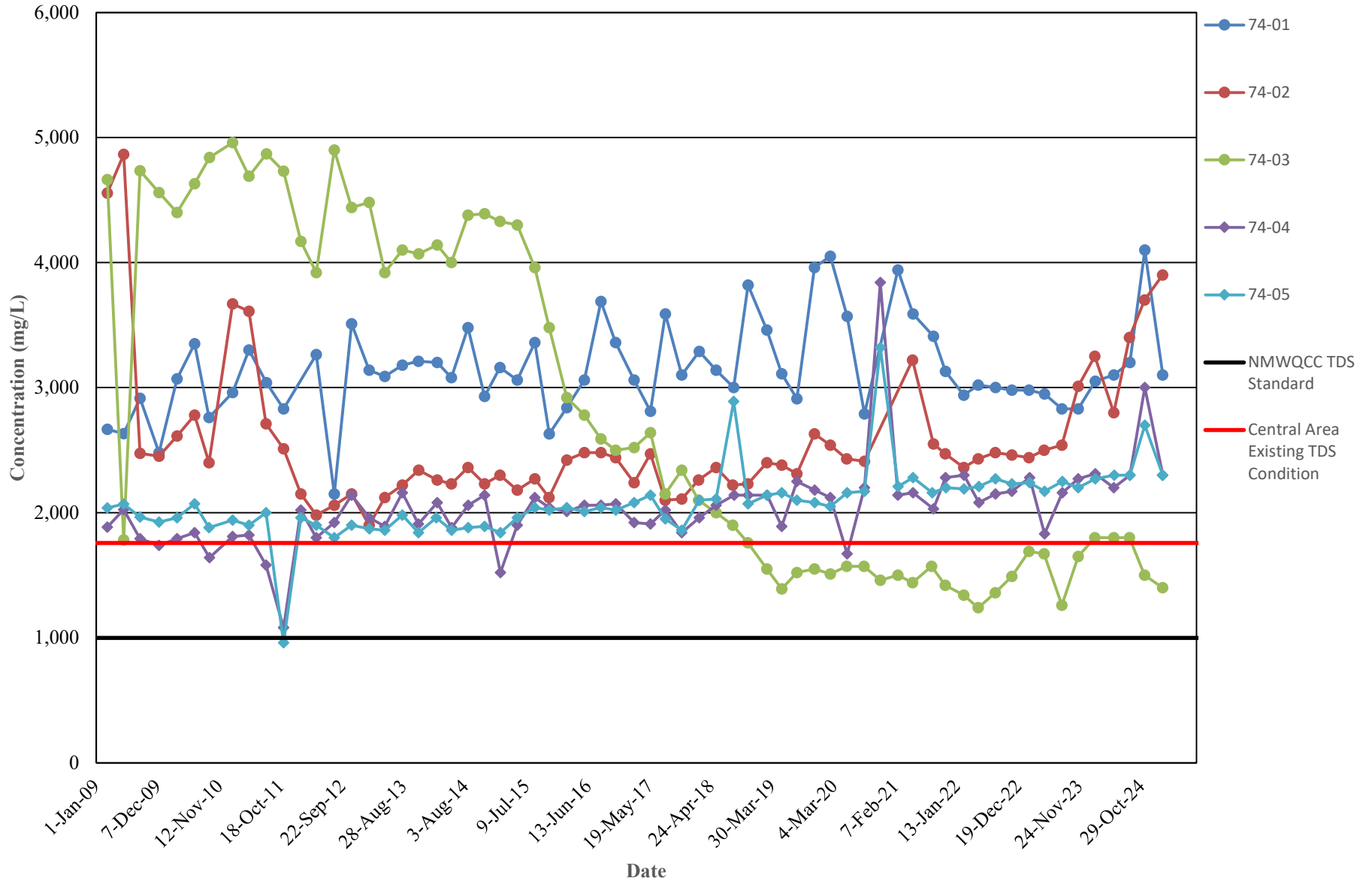
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DOMINGUEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



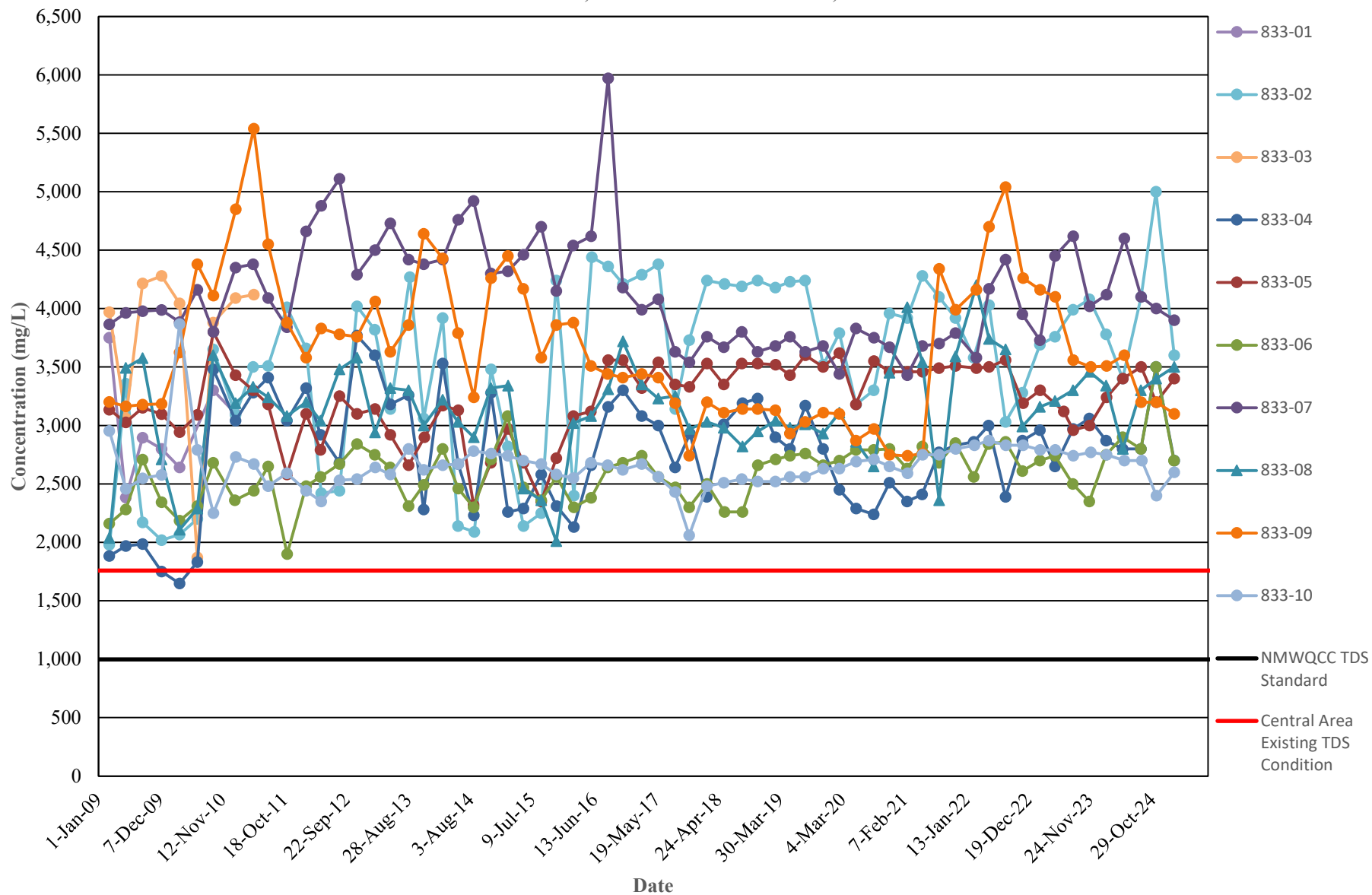
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ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



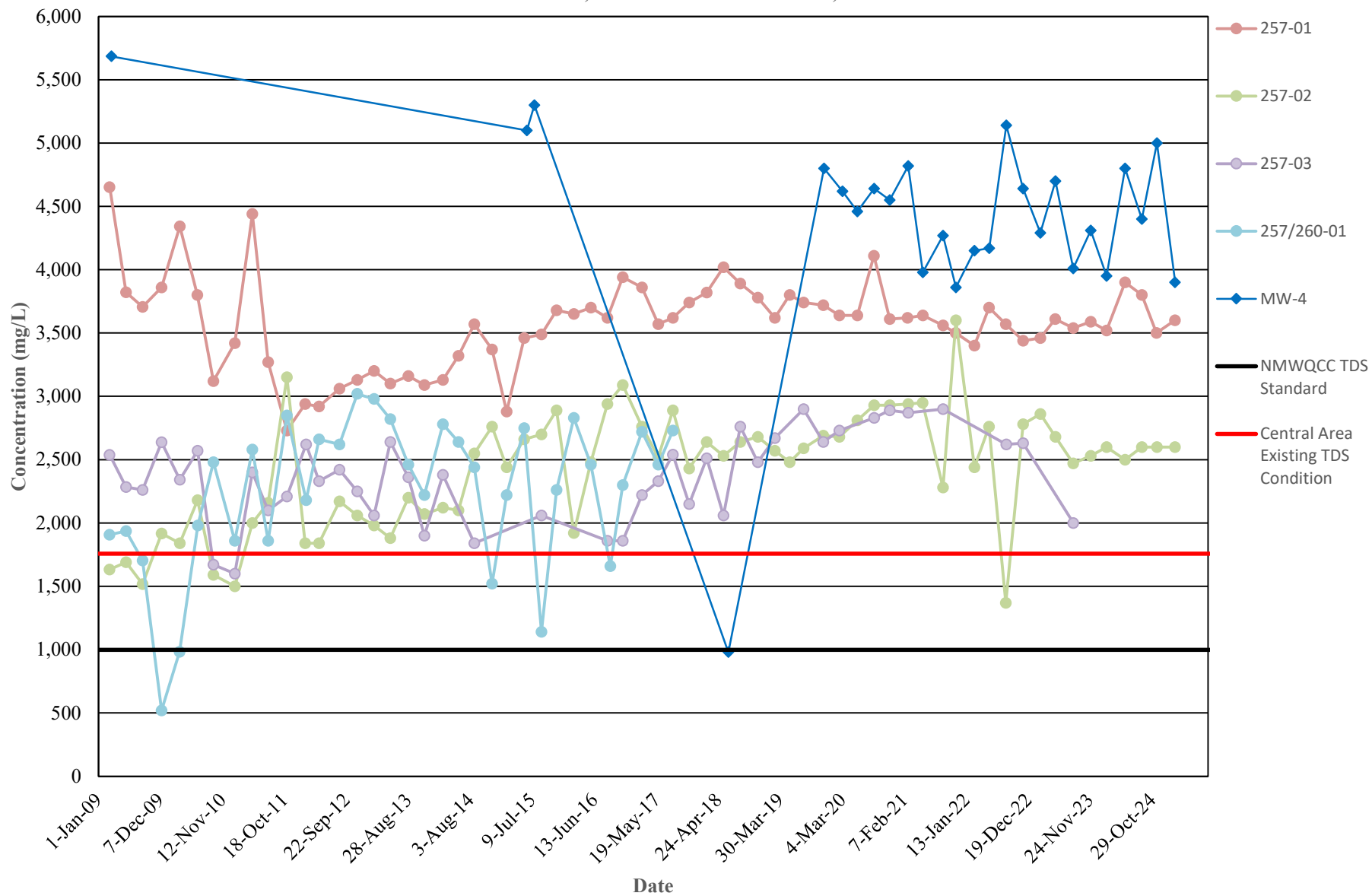
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BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



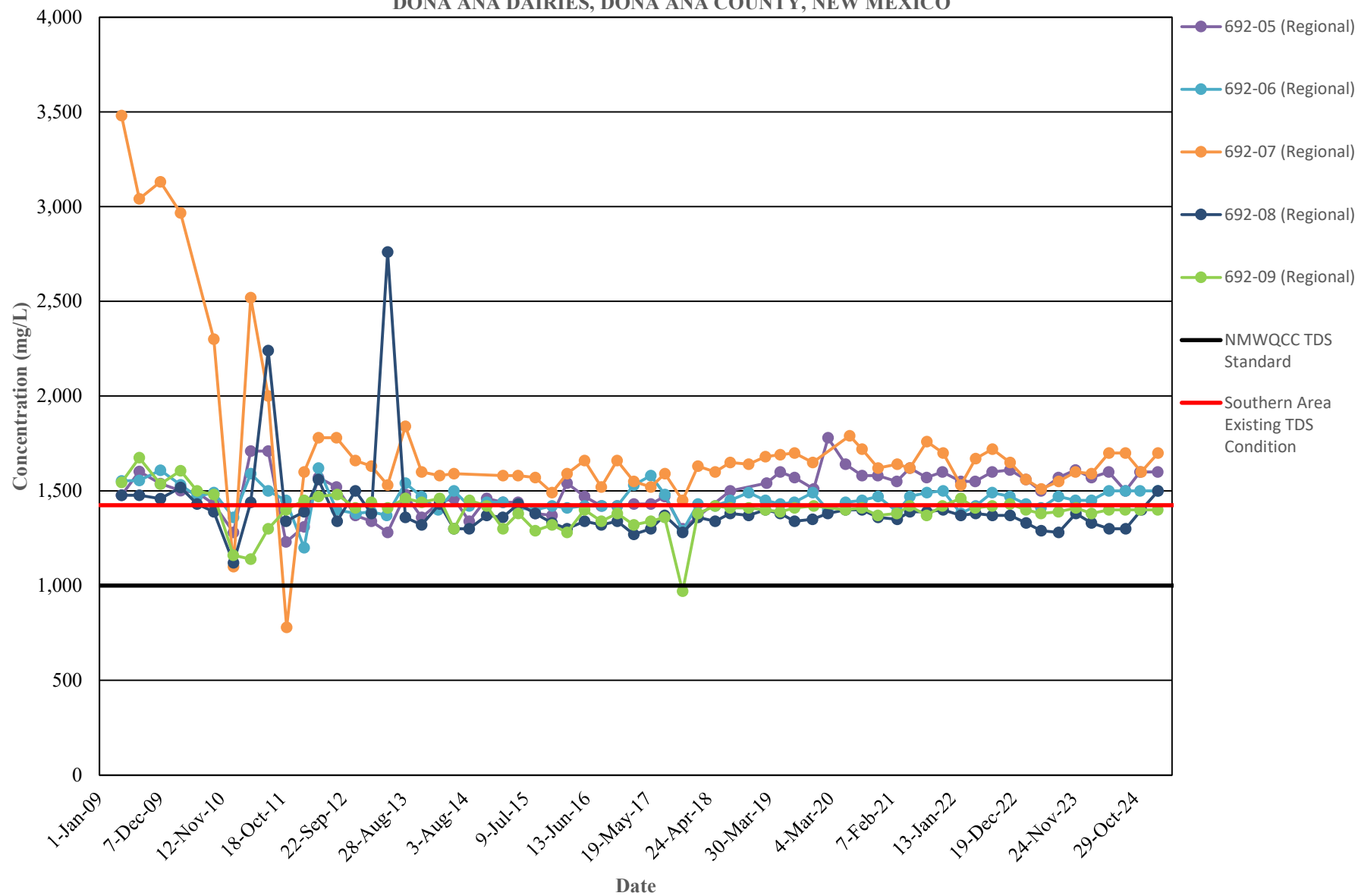
TDS CONCENTRATION TRENDS BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



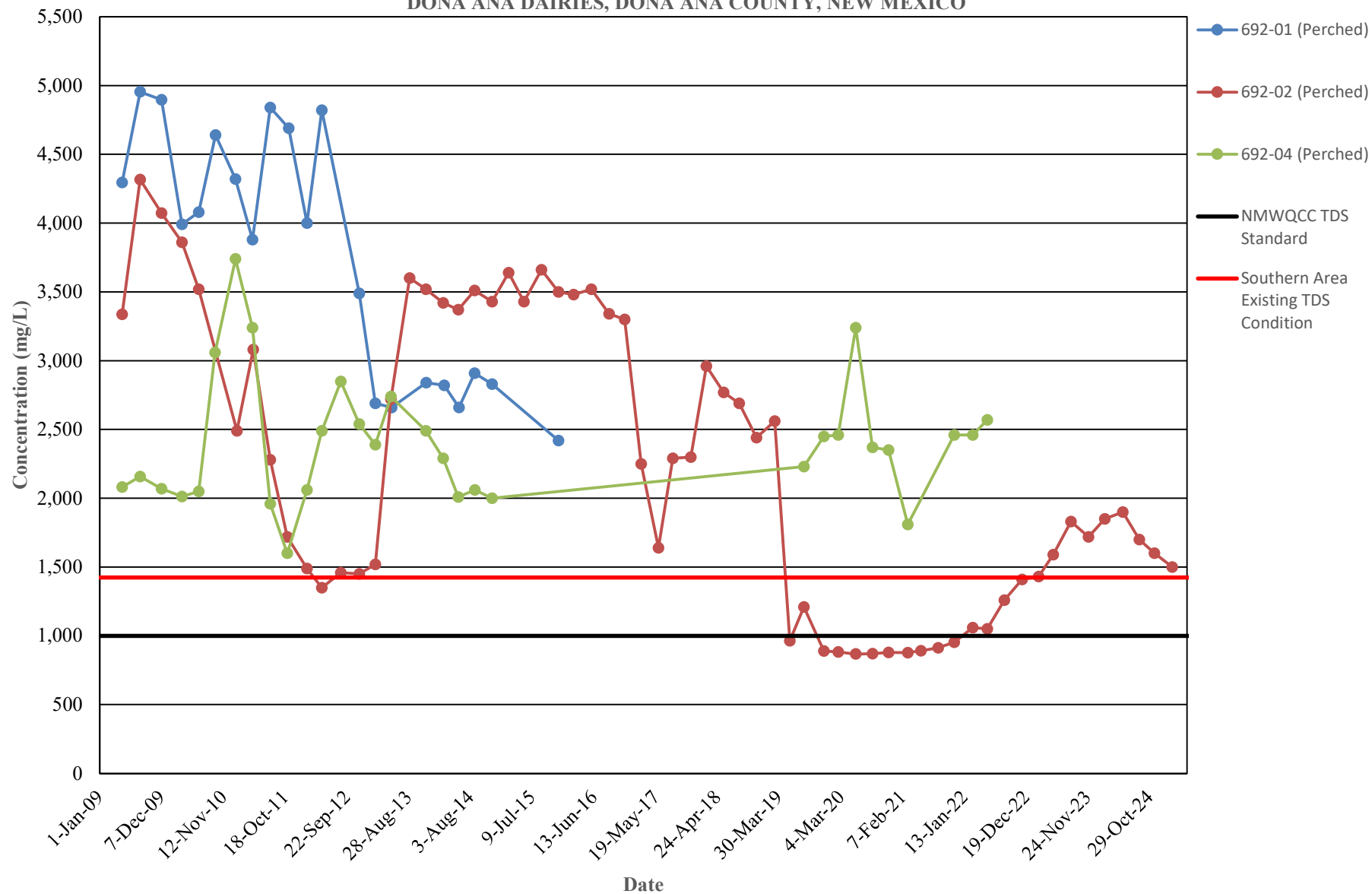
TDS CONCENTRATION TRENDS
SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



TDS CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



TDS CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



APPENDIX H

STATISTICAL ANALYSIS SUMMARY

(Provided in Electronic Format via CD Located on Front Cover of Report)

Mann-Kendall Trend Analysis

A Mann-Kendall test for temporal trend (Gilbert 1987) was conducted for nitrate, chloride, and/or total dissolved solids when the following requirements were met: 1) results were available from the last year, 2) a minimum of four data points were available, and 3) the analyte was detected at least once during the monitoring period. The monitoring period for trend analysis was defined as November/December 2015 through February/March 2025. The beginning of the monitoring period was selected for consistency with the most recent Five-Year Review Report (EA 2020) and because that time period coincides with the shift in groundwater flow in the northern area.

Mann-Kendall Trend Analysis was performed using ProUCL version 5.2, an environmental statistical analysis package available from the U.S. Environmental Protection Agency. ProUCL is a statistical data analysis software for environmental data containing both detects and non-detects. The software was designed for use by the U.S. Environmental Protection Agency and its contractors but has been made available for free to those who work and study in environmental fields (Singh et al. 1995a, 1995b, and 1995c).

Time series data was entered into ProUCL, and the Mann-Kendall trend analysis was selected with a 95 percent confidence interval. ProUCL then calculates general statistics including the mean and standard deviation, the values of S, normalized S, and the standard deviation of S (Singh et al. 2015a, 2015b, and 2015c). Trends were characterized as increasing if the standardized value of S was greater than zero and the p-value was less than 0.05. Trends were considered decreasing if the standardized value of S was less than zero and the p-value was less than 0.05. Analysis results with a p-value equal to or greater than 0.05 were classified as stable.

References

- EA Engineering, Science, and Technology, Inc., PBC. (EA). 2020. Five-Year Evaluation and Quarterly Groundwater Monitoring Report, Dona Ana Dairies, Mesquite, New Mexico. 23 December.
- Gilbert, R.O. 1987. Statistical methods for environmental pollution monitoring, New York: Van Nostrand Reinhold.
- Singh, A. Ph.D., Singh, A.K., Ph.D. 1995a. *ProUCL Version 5.1.002 Technical Guide, Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations*. U.S. Environmental Protection Agency. www.epa.gov. October.
- Singh, A. Ph.D., Singh, A.K., Ph.D. 1995b. *ProUCL Version 5.1.002 User Guide, Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations*. U.S. Environmental Protection Agency. www.epa.gov. October.
- Singh, A.Ph.D., Singh, A.K. Ph.D. 1995c. *ProUCL Version 5.1.002*. U.S. Environmental Protection Agency. www.epa.gov. October.

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
126-12	9-Nov-15	42317	10.8	1	428	1	2,460	1
126-12	15-Feb-16	42415	13.9	1	416	1	2,450	1
126-12	18-May-16	42508	17.6	1	391	1	2,310	1
126-12	18-Aug-16	42600	19.4	1	363	1	2,580	1
126-12	9-Nov-16	42683	17.1	1	430	1	2,520	1
126-12	20-Feb-17	42786	13.0	1	420	1	2,430	1
126-12	17-May-17	42872	17.6	1	455	1	2,480	1
126-12	10-Aug-17	42957	7.40	1	520	1	2,780	1
126-12	8-Nov-17	43047	3.26	1	24.5	1	2,440	1
126-12	9-Feb-18	43140	3.9	1	420	1	2,430	1
126-12	7-Jun-18	43258	11	1	420	1	2,550	1
126-12	15-Aug-18	43327	17	1	430	1	2,500	1
126-12	14-Nov-18	43418	13	1	390	1	2,300	1
126-12	22-Feb-19	43518	8.2	1	370	1	2,270	1
126-12	14-May-19	43599	8.1	1	350	1	2,180	1
126-12	5-Aug-19	43682	13	1	370	1	2,270	1
126-12	12-Nov-19	43781	8.3	1	350	1	2,200	1
126-12	10-Feb-20	43871	2.8	1	310	1	2,100	1
126-12	14-May-20	43965	6.4	1	350	1	2,190	1
126-12	12-Aug-20	44055	11	1	420	1	2,260	1
126-12	12-Aug-20	44055	11	1	420	1	2,350	1
126-12	10-Nov-20	44145	8.9	1	400	1	2,240	1
126-12	9-Feb-21	44236	6.0	1	350	1	2,220	1
126-12	4-May-21	44320	6.9	1	370	1	2,220	1
126-12	11-Aug-21	44419	6.7	1	430	1	2,170	1
126-12	9-Nov-21	44509	4.6	1	390	1	2,120	1
126-12	24-Feb-22	44616	4.6	1	420	1	2,180	1
126-12	5-May-22	44686	3.8	1	360	1	2,120	1
126-12	17-Aug-22	44790	3.8	1	410	1	2,200	1
126-12	8-Nov-22	44873	3.4	1	430	1	2,160	1
126-12	11-Jan-23	44937	4.3	1	420	1	2,210	1
126-12	24-May-23	45070	3.2	1	400	1	2,110	1
126-12	27-Aug-23	45165	4.3	1	450	1	1,120	1
126-12	19-Nov-23	45249	3.8	1	430	1	2,140	1
126-12	10-Jan-24	45301	4.2	1	480	1	2,210	1
126-12	9-May-24	45421	4.8	1	500	1	2,500	1
126-12	16-Aug-24	45520	5.1	1	510	1	2,400	1
126-12	26-Nov-24	45622	4.5	1	570	1	2,500	1
126-12	3-Feb-25	45691	5.9	1	590	1	2,400	1
126-13	9-Nov-15	42317	29.6	1	760	1	2,850	1
126-13	15-Feb-16	42415	36.9	1	891	1	2,960	1
126-13	18-May-16	42508	26.1	1	799	1	3,000	1
126-13	18-Aug-16	42600	23.4	1	703	1	3,090	1
126-13	9-Nov-16	42683	23.2	1	594	1	3,090	1
126-13	17-Feb-17	42783	23.8	1	869	1	3,920	1
126-13	17-May-17	42872	23.2	1	796	1	3,180	1
126-13	10-Aug-17	42957	24.4	1	784	1	3,080	1
126-13	8-Nov-17	43047	28.6	1	771	1	2,810	1
126-13	9-Feb-18	43140	31	1	820	1	3,330	1
126-13	18-May-18	43238	37	1	890	1	3,250	1
126-13	15-Aug-18	43327	40	1	890	1	3,670	1
126-13	14-Nov-18	43418	42	1	950	1	3,420	1
126-13	22-Feb-19	43518	39	1	990	1	3,620	1
126-13	14-May-19	43599	36	1	970	1	3,570	1
126-13	5-Aug-19	43682	32	1	900	1	3,790	1
126-13	12-Nov-19	43781	32	1	830	1	3,730	1
126-13	7-Feb-20	43868	34	1	880	1	3,640	1
126-13	13-May-20	43964	26	1	860	1	3,860	1
126-13	12-Aug-20	44055	23	1	860	1	3,520	1
126-13	10-Nov-20	44145	20	1	780	1	3,390	1
126-13	9-Feb-21	44236	19	1	740	1	3,440	1
126-13	4-May-21	44320	17	1	780	1	3,420	1
126-13	11-Aug-21	44419	18	1	830	1	3,360	1
126-13	9-Nov-21	44509	16	1	780	1	3,320	1
126-13	24-Feb-22	44616	15	1	760	1	3,380	1
126-13	5-May-22	44686	14	1	700	1	3,330	1
126-13	17-Aug-22	44790	14	1	690	1	3,210	1
126-13	8-Nov-22	44873	14	1	720	1	3,210	1
126-13	11-Jan-23	44937	14	1	700	1	1,600	1
126-13	24-May-23	45070	14	1	710	1	3,160	1
126-13	27-Aug-23	45165	14	1	710	1	645	1
126-13	19-Nov-23	45249	14	1	710	1	3,110	1
126-13	10-Jan-24	45301	15	1	750	1	3,320	1
126-13	9-May-24	45421	14	1	710	1	3,300	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
126-13	16-Aug-24	45520	13	1	650	1	3,100	1
126-13	26-Nov-24	45622	12	1	750	1	3,000	1
126-13	3-Feb-25	45691	14	1	790	1	3,300	1
257-01	19-Nov-15	42327	49.1	1	821	1	3,680	1
257-01	22-Feb-16	42422	51.9	1	873	1	3,650	1
257-01	26-May-16	42516	47.7	1	797	1	3,700	1
257-01	25-Aug-16	42607	48.7	1	817	1	3,620	1
257-01	16-Nov-16	42690	44.4	1	681	1	3,940	1
257-01	2-Mar-17	42796	45.5	1	847	1	3,860	1
257-01	31-May-17	42886	49.3	1	848	1	3,570	1
257-01	18-Aug-17	42965	48.5	1	867	1	3,620	1
257-01	16-Nov-17	43055	51.1	1	870	1	3,740	1
257-01	20-Feb-18	43151	50	1	920	1	3,820	1
257-01	23-May-18	43243	42	1	900	1	4,020	1
257-01	23-Aug-18	43335	43	1	770	1	3,890	1
257-01	27-Nov-18	43431	45	1	890	1	3,780	1
257-01	1-Mar-19	43525	42	1	900	1	3,620	1
257-01	21-May-19	43606	41	1	890	1	3,800	1
257-01	6-Aug-19	43683	43	1	910	1	3,740	1
257-01	21-Nov-19	43790	35	1	800	1	3,720	1
257-01	18-Feb-20	43879	31	1	890	1	3,640	1
257-01	26-May-20	43977	36	1	850	1	3,640	1
257-01	25-Aug-20	44068	39	1	960	1	4,110	1
257-01	20-Nov-20	44155	35	1	910	1	3,610	1
257-01	25-Feb-21	44252	32	1	870	1	3,620	1
257-01	20-May-21	44336	30	1	890	1	3,640	1
257-01	8-Sep-21	44447	36	1	910	1	3,560	1
257-01	17-Nov-21	44517	34	1	940	1	3,500	1
257-01	28-Feb-22	44620	35	1	870	1	3,400	1
257-01	19-May-22	44700	33	1	1,100	1	3,700	1
257-01	19-Aug-22	44792	35	1	920	1	3,570	1
257-01	22-Nov-22	44887	30	1	930	1	3,440	1
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257-01	28-Nov-23	45258	32	1	890	1	3,590	1
257-01	23-Feb-24	45345	33	1	880	1	3,520	1
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257-01	3-Sep-24	45538	35	1	870	1	3,800	1
257-01	22-Nov-24	45618	33	1	870	1	3,500	1
257-01	3-Mar-25	45719	33	1	1,000	1	3,600	1
257-02	19-Nov-15	42327	12.2	1	800	1	2,890	1
257-02	22-Feb-16	42422	4.98	1	455	1	1,920	1
257-02	26-May-16	42516	7.28	1	572	1	2,480	1
257-02	25-Aug-16	42607	4.62	1	814	1	2,940	1
257-02	16-Nov-16	42690	10.2	1	671	1	3,090	1
257-02	2-Mar-17	42796	16.2	1	634	1	2,760	1
257-02	31-May-17	42886	10.0	1	696	1	2,520	1
257-02	18-Aug-17	42965	10.3	1	754	1	2,890	1
257-02	16-Nov-17	43055	14.0	1	679	1	2,430	1
257-02	20-Feb-18	43151	14	1	610	1	2,640	1
257-02	23-May-18	43243	14	1	690	1	2,530	1
257-02	23-Aug-18	43335	14	1	540	1	2,640	1
257-02	27-Nov-18	43431	9.1	1	650	1	2,680	1
257-02	1-Mar-19	43525	8.7	1	690	1	2,570	1
257-02	21-May-19	43606	10	1	620	1	2,480	1
257-02	6-Aug-19	43683	9.3	1	650	1	2,590	1
257-02	21-Nov-19	43790	5.3	1	620	1	2,690	1
257-02	18-Feb-20	43879	7.1	1	710	1	2,680	1
257-02	26-May-20	43977	11	1	710	1	2,810	1
257-02	26-Aug-20	44069	12	1	790	1	2,930	1
257-02	20-Nov-20	44155	12	1	770	1	2,930	1
257-02	1-Mar-21	44256	13	1	780	1	2,940	1
257-02	19-May-21	44335	10	1	770	1	2,950	1
257-02	8-Sep-21	44447	20	1	560	1	2,280	1
257-02	18-Nov-21	44518	39	1	1,000	1	3,600	1
257-02	28-Feb-22	44620	9.4	1	600	1	2,440	1
257-02	19-May-22	44700	6.9	1	730	1	2,760	1
257-02	19-Aug-22	44792	6.4	1	760	1	1,370	1
257-02	22-Nov-22	44887	11	1	860	1	2,780	1
257-02	24-Feb-23	44981	6.7	1	780	1	2,860	1
257-02	18-May-23	45064	4.6	1	710	1	2,680	1
257-02	24-Aug-23	45162	4.5	1	660	1	2,470	1
257-02	28-Nov-23	45258	8.6	1	650	1	2,530	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
257-02	23-Feb-24	45345	3.8	1	690	1	2,600	1
257-02	3-Jun-24	45446	6.3	1	690	1	2,500	1
257-02	3-Sep-24	45538	3.2	1	660	1	2,600	1
257-02	25-Nov-24	45621	3.7	1	690	1	2,600	1
257-02	3-Mar-25	45719	8.3	1	770	1	2,600	1
340-01	9-Nov-15	42317	29.8	1	578	1	2,820	1
340-01	11-Feb-16	42411	34.0	1	621	1	3,080	1
340-01	18-May-16	42508	32.6	1	594	1	2,980	1
340-01	23-Aug-16	42605	35.3	1	618	1	3,050	1
340-01	10-Nov-16	42684	38.2	1	584	1	2,820	1
340-01	16-Feb-17	42782	40.3	1	591	1	2,820	1
340-01	18-May-17	42873	40.7	1	579	1	2,890	1
340-01	11-Aug-17	42958	46.5	1	417	1	2,830	1
340-01	8-Nov-17	43047	46.5	1	576	1	2,920	1
340-01	12-Feb-18	43143	44	1	640	1	2,870	1
340-01	21-May-18	43241	44	1	560	1	2,700	1
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340-01	15-Nov-18	43419	49	1	540	1	2,880	1
340-01	25-Feb-19	43521	50	1	630	1	3,020	1
340-01	14-May-19	43599	49	1	610	1	2,990	1
340-01	6-Aug-19	43683	48	1	590	1	2,830	1
340-01	12-Nov-19	43781	46	1	560	1	2,920	1
340-01	7-Feb-20	43868	46	1	560	1	2,850	1
340-01	14-May-20	43965	42	1	590	1	2,950	1
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340-01	11-Nov-20	44146	41	1	560	1	2,940	1
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340-01	6-May-21	44322	41	1	580	1	2,900	1
340-01	9-Aug-21	44417	46	1	580	1	2,940	1
340-01	4-Nov-21	44504	46	1	610	1	2,980	1
340-01	14-Feb-22	44606	48	1	630	1	2,950	1
340-01	5-May-22	44686	47	1	610	1	2,990	1
340-01	27-Oct-22	44861	58	1	560	1	2,970	1
340-01	8-Nov-22	44873	60	1	680	1	2,940	1
340-01	8-Feb-23	44965	61	1	600	1	2,840	1
340-01	5-May-23	45051	62	1	610	1	2,870	1
340-01	8-Aug-23	45146	65	1	610	1	2,870	1
340-01	8-Nov-23	45238	67	1	630	1	2,740	1
340-01	9-Feb-24	45331	64	1	640	1	3,140	1
340-01	13-May-24	45425	68	1	640	1	2,800	1
340-01	19-Aug-24	45523	64	1	610	1	3,100	1
340-01	11-Nov-24	45607	64	1	710	1	2,900	1
340-01	18-Feb-25	45706	64	1	690	1	3,400	1
42-02	1-Dec-15	42339	7.55	1	510	1	2,420	1
42-02	23-Feb-16	42423	9.10	1	535	1	2,560	1
42-02	1-Jun-16	42522	8.79	1	469	1	2,580	1
42-02	31-Aug-16	42613	12.8	1	539	1	2,700	1
42-02	28-Nov-16	42702	11.1	1	506	1	2,760	1
42-02	6-Mar-17	42800	12.3	1	501	1	2,650	1
42-02	2-Jun-17	42888	11.0	1	542	1	2,730	1
42-02	22-Aug-17	42969	14.8	1	514	1	2,630	1
42-02	1-Dec-17	43070	10.2	1	590	1	2,510	1
42-02	21-Feb-18	43152	8.1	1	610	1	2,960	1
42-02	29-May-18	43249	7.6	1	610	1	3,050	1
42-02	22-Aug-18	43334	7.3	1	450	1	2,600	1
42-02	4-Dec-18	43438	7.8	1	580	1	3,090	1
42-02	6-Mar-19	43530	7.0	1	460	1	2,750	1
42-02	29-May-19	43614	7.4	1	470	1	2,750	1
42-02	16-Aug-19	43693	9.3	1	420	1	2,440	1
42-02	22-Nov-19	43791	9.1	1	430	1	2,620	1
42-02	11-Feb-20	43872	10	1	490	1	2,680	1
42-02	22-May-20	43973	10	1	460	1	2,570	1
42-02	18-Aug-20	44061	8.5	1	410	1	2,400	1
42-02	16-Nov-20	44151	7.5	1	550	1	2,800	1
42-02	18-Feb-21	44245	7.1	1	540	1	2,860	1
42-02	11-May-21	44327	7.3	1	490	1	2,720	1
42-02	11-Aug-21	44419	11	1	520	1	2,660	1
42-02	9-Nov-21	44509	6.6	1	560	1	2,710	1
42-02	16-Feb-22	44608	7.3	1	520	1	2,850	1
42-02	11-May-22	44692	10	1	530	1	2,740	1
42-02	11-Aug-22	44784	9.4	1	470	1	2,620	1
42-02	10-Nov-22	44875	9.1	1	490	1	2,660	1
42-02	13-Feb-23	44970	9.2	1	550	1	2,830	1
42-02	10-May-23	45056	8.8	1	610	1	2,710	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
42-02	14-Aug-23	45152	8.1	1	490	1	2,450	1
42-02	16-Nov-23	45246	7.4	1	500	1	2,570	1
42-02	14-Feb-24	45336	6.1	1	540	1	2,800	1
42-02	17-May-24	45429	5.0	1	570	1	2,900	1
42-02	22-Aug-24	45526	5.6	1	660	1	2,700	1
42-02	14-Nov-24	45610	5.0	1	550	1	2,700	1
42-02	24-Feb-25	45712	4.7	1	630	1	2,800	1
42-03	1-Dec-15	42339	97.9	1	933	1	3,380	1
42-03	23-Feb-16	42423	68.0	1	1,190	1	3,740	1
42-03	1-Jun-16	42522	90.0	1	956	1	3,680	1
42-03	31-Aug-16	42613	93.5	1	983	1	3,400	1
42-03	28-Nov-16	42702	50.2	1	1,180	1	3,730	1
42-03	6-Mar-17	42800	49.2	1	1,170	1	3,690	1
42-03	2-Jun-17	42888	57.1	1	1,120	1	3,630	1
42-03	23-Aug-17	42970	54.5	1	1,010	1	3,540	1
42-03	1-Dec-17	43070	43.6	1	1,350	1	3,350	1
42-03	21-Feb-18	43152	36	1	1,200	1	3,570	1
42-03	29-May-18	43249	43	1	1,200	1	3,590	1
42-03	22-Aug-18	43334	40	1	1,100	1	3,530	1
42-03	4-Dec-18	43438	41	1	1,200	1	3,550	1
42-03	6-Mar-19	43530	32	1	1,100	1	3,390	1
42-03	30-May-19	43615	30	1	1,200	1	3,380	1
42-03	16-Aug-19	43693	34	1	1,200	1	3,420	1
42-03	22-Nov-19	43791	29	1	1,000	1	3,380	1
42-03	11-Feb-20	43872	26	1	1,200	1	3,370	1
42-03	20-May-20	43971	28	1	1,100	1	3,300	1
42-03	18-Aug-20	44061	30	1	1,100	1	3,340	1
42-03	16-Nov-20	44151	30	1	1,100	1	3,340	1
42-03	17-Feb-21	44244	29	1	1,100	1	3,210	1
42-03	11-May-21	44327	28	1	1,000	1	3,230	1
42-03	10-Aug-21	44418	28	1	1,100	1	3,220	1
42-03	8-Nov-21	44508	31	1	1,100	1	3,240	1
42-03	16-Feb-22	44608	31	1	1,000	1	3,240	1
42-03	10-May-22	44691	33	1	970	1	3,280	1
42-03	10-Aug-22	44783	34	1	1,000	1	3,290	1
42-03	9-Nov-22	44874	33	1	980	1	3,230	1
42-03	10-Feb-23	44967	31	1	1,000	1	3,230	1
42-03	9-May-23	45055	34	1	1,200	1	3,160	1
42-03	11-Aug-23	45149	36	1	1,000	1	3,160	1
42-03	16-Nov-23	45246	38	1	980	1	3,170	1
42-03	13-Feb-24	45335	37	1	990	1	3,160	1
42-03	17-May-24	45429	37	1	980	1	3,300	1
42-03	21-Aug-24	45525	36	1	950	1	3,200	1
42-03	13-Nov-24	45609	37	1	1,000	1	3,100	1
42-03	21-Feb-25	45709	38	1	960	1	3,100	1
42-06	1-Dec-15	42339	84.5	1	358	1	2,220	1
42-06	23-Feb-16	42423	60.0	1	308	1	2,050	1
42-06	1-Jun-16	42522	87.7	1	300	1	2,250	1
42-06	31-Aug-16	42613	67.9	1	275	1	1,970	1
42-06	28-Nov-16	42702	66.9	1	291	1	2,100	1
42-06	6-Mar-17	42800	102	1	280	1	2,180	1
42-06	2-Jun-17	42888	98.1	1	424	1	2,340	1
42-06	22-Aug-17	42969	123	1	295	1	2,250	1
42-06	1-Dec-17	43070	129	1	522	1	2,350	1
42-06	21-Feb-18	43152	140	1	590	1	2,920	1
42-06	29-May-18	43249	160	1	610	1	3,060	1
42-06	22-Aug-18	43334	140	1	420	1	2,850	1
42-06	4-Dec-18	43438	97	1	560	1	2,690	1
42-06	6-Mar-19	43530	130	1	470	1	2,810	1
42-06	30-May-19	43615	140	1	350	1	2,540	1
42-06	16-Aug-19	43693	150	1	440	1	2,740	1
42-06	22-Nov-19	43791	180	1	360	1	2,760	1
42-06	12-Feb-20	43873	150	1	470	1	2,850	1
42-06	22-May-20	43973	200	1	620	1	3,480	1
42-06	18-Aug-20	44061	150	1	480	1	3,030	1
42-06	16-Nov-20	44151	190	1	560	1	3,260	1
42-06	18-Feb-21	44245	230	1	720	1	3,800	1
42-06	11-May-21	44327	210	1	630	1	3,710	1
42-06	11-Aug-21	44419	200	1	590	1	3,500	1
42-06	8-Nov-21	44508	200	1	650	1	3,620	1
42-06	17-Feb-22	44609	170	1	570	1	3,510	1
42-06	10-May-22	44691	170	1	520	1	3,420	1
42-06	10-Aug-22	44783	91	1	360	1	2,520	1
42-06	9-Nov-22	44874	82	1	360	1	2,400	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
42-06	10-Feb-23	44967	120	1	390	1	2,530	1
42-06	9-May-23	45055	91	1	370	1	2,530	1
42-06	11-Aug-23	45149	60	1	330	1	2,170	1
42-06	16-Nov-23	45246	66	1	330	1	2,090	1
42-06	13-Feb-24	45335	47	1	340	1	2,150	1
42-06	17-May-24	45429	43	1	340	1	2,200	1
42-06	21-Aug-24	45525	44	1	310	1	2,100	1
42-06	13-Nov-24	45609	40	1	290	1	1,900	1
42-06	21-Feb-25	45709	38	1	310	1	2,100	1
42-08	31-Aug-16	42613	40.6	1	53	1	1,300	1
42-08	28-Nov-16	42702	37.0	1	43	1	1,160	1
42-08	6-Mar-17	42800	36.8	1	41	1	1,200	1
42-08	2-Jun-17	42888	32.3	1	43	1	1,030	1
42-08	22-Aug-17	42969	30.6	1	203	1	1,580	1
42-08	2-Dec-17	43071	24.0	1	135	1	1,160	1
42-08	21-Feb-18	43152	20	1	130	1	1,290	1
42-08	29-May-18	43249	27	1	93	1	1,200	1
42-08	22-Aug-18	43334	29	1	200	1	1,700	1
42-08	4-Dec-18	43438	36	1	54	1	1,280	1
42-08	6-Mar-19	43530	49	1	96	1	1,310	1
42-08	29-May-19	43614	60	1	130	1	1,410	1
42-08	16-Aug-19	43693	42	1	290	1	1,920	1
42-08	22-Nov-19	43791	35	1	290	1	2,000	1
42-08	12-Feb-20	43873	40	1	240	1	1,830	1
42-08	22-May-20	43973	42	1	240	1	1,780	1
42-08	18-Aug-20	44061	17	1	370	1	2,290	1
42-08	16-Nov-20	44151	42	1	170	1	1,680	1
42-08	18-Feb-21	44245	35	1	250	1	1,730	1
42-08	11-May-21	44327	40	1	180	1	1,460	1
42-08	11-Aug-21	44419	36	1	220	1	1,700	1
42-08	9-Nov-21	44509	32	1	230	1	1,640	1
42-08	17-Feb-22	44609	25	1	270	1	1,830	1
42-08	11-May-22	44692	24	1	260	1	1,800	1
42-08	10-Aug-22	44783	19	1	310	1	2,090	1
42-08	9-Nov-22	44874	16	1	370	1	2,160	1
42-08	13-Feb-23	44970	22	1	280	1	1,860	1
42-08	10-May-23	45056	11	1	530	1	2,600	1
42-08	14-Aug-23	45152	21	1	270	1	1,860	1
42-08	16-Nov-23	45246	7.3	1	500	1	2,540	1
42-08	13-Feb-24	45335	49	1	330	1	2,180	1
42-08	17-May-24	45429	52	1	340	1	2,200	1
42-08	22-Aug-24	45526	5.5	1	530	1	2,600	1
42-08	13-Nov-24	45609	41	1	290	1	2,000	1
42-08	21-Feb-25	45709	39	1	320	1	2,100	1
42-10	1-Dec-15	42339	0.165	1	439	1	1,300	1
42-10	23-Feb-16	42423	<0.0610	0	459	1	1,460	1
42-10	1-Jun-16	42522	0.354	1	425	1	1,520	1
42-10	1-Sep-16	42614	<0.305	0	414	1	1,370	1
42-10	29-Nov-16	42703	1.45	1	425	1	1,380	1
42-10	6-Mar-17	42800	0.542	1	403	1	1,270	1
42-10	2-Jun-17	42888	0.429	1	405	1	1,300	1
42-10	23-Aug-17	42970	0.469	1	396	1	1,350	1
42-10	4-Dec-17	43073	0.592	1	380	1	1,300	1
42-10	19-Feb-18	43150	<1.0	0	400	1	1,390	1
42-10	30-May-18	43250	0.21	1	380	1	1,360	1
42-10	22-Aug-18	43334	<1.0	0	370	1	1,390	1
42-10	4-Dec-18	43438	<1.0	0	410	1	1,410	1
42-10	6-Mar-19	43530	<1.0	0	370	1	1,410	1
42-10	30-May-19	43615	<1.0	0	390	1	1,470	1
42-10	19-Aug-19	43696	<1.0	0	400	1	1,540	1
42-10	25-Nov-19	43794	0.84	1	370	1	1,550	1
42-10	12-Feb-20	43873	1.2	1	370	1	1,490	1
42-10	22-May-20	43973	1.3	1	390	1	1,540	1
42-10	19-Aug-20	44062	<1.0	0	380	1	1,440	1
42-10	13-Nov-20	44148	1.4	1	380	1	1,460	1
42-10	17-Feb-21	44244	2.1	1	400	1	1,470	1
42-10	12-May-21	44328	3.0	1	370	1	1,490	1
42-10	12-Aug-21	44420	3.8	1	400	1	1,520	1
42-10	9-Nov-21	44509	4.5	1	410	1	1,540	1
42-10	15-Feb-22	44607	6.1	1	410	1	1,590	1
42-10	11-May-22	44692	6.4	1	420	1	1,610	1
42-10	11-Aug-22	44784	6.7	1	400	1	1,470	1
42-10	10-Nov-22	44875	7.4	1	410	1	1,630	1
42-10	14-Feb-23	44971	6.3	1	420	1	1,610	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
42-10	11-May-23	45057	7.9	1	410	1	1,610	1
42-10	16-Aug-23	45154	7.6	1	430	1	1,510	1
42-10	14-Feb-24	45336	5.8	1	540	1	2,680	1
42-10	15-May-24	45427	<1.0	0	290	1	1,100	1
42-10	22-Aug-24	45526	39	1	1,800	1	4,800	1
42-10	14-Nov-24	45610	6.0	1	580	1	2,900	1
42-10	20-Feb-25	45708	<1.0	0	290	1	1,100	1
42-11	1-Dec-15	42339	1.16	1	303	1	1,160	1
42-11	23-Feb-16	42423	1.23	1	319	1	1,190	1
42-11	1-Jun-16	42522	1.34	1	302	1	1,190	1
42-11	1-Sep-16	42614	1.23	1	305	1	1,180	1
42-11	29-Nov-16	42703	2.39	1	301	1	1,120	1
42-11	3-Mar-17	42797	1.66	1	298	1	1,140	1
42-11	2-Jun-17	42888	1.38	1	293	1	1,090	1
42-11	23-Aug-17	42970	1.72	1	291	1	1,100	1
42-11	4-Dec-17	43073	1.66	1	268	1	1,040	1
42-11	19-Feb-18	43150	1.4	1	310	1	1,200	1
42-11	30-May-18	43250	1.4	1	330	1	1,160	1
42-11	22-Aug-18	43334	1.4	1	270	1	1,190	1
42-11	4-Dec-18	43438	1.3	1	290	1	1,160	1
42-11	6-Mar-19	43530	1.3	1	260	1	1,160	1
42-11	30-May-19	43615	1.3	1	280	1	1,180	1
42-11	19-Aug-19	43696	1.2	1	280	1	1,200	1
42-11	25-Nov-19	43794	1.4	1	310	1	1,200	1
42-11	12-Feb-20	43873	1.3	1	290	1	1,220	1
42-11	22-May-20	43973	1.1	1	310	1	1,200	1
42-11	19-Aug-20	44062	<1.0	0	300	1	1,250	1
42-11	13-Nov-20	44148	<1.0	0	330	1	1,310	1
42-11	17-Feb-21	44244	<1.0	0	360	1	1,350	1
42-11	12-May-21	44328	<1.0	0	350	1	1,390	1
42-11	12-Aug-21	44420	<1.0	0	360	1	1,350	1
42-11	9-Nov-21	44509	<1.0	0	390	1	1,400	1
42-11	17-Feb-22	44609	<1.0	0	380	1	1,410	1
42-11	11-May-22	44692	<1.0	0	350	1	1,390	1
42-11	11-Aug-22	44784	<1.0	0	340	1	1,390	1
42-11	10-Nov-22	44875	<1.0	0	360	1	1,380	1
42-11	14-Feb-23	44971	<1.0	0	350	1	1,370	1
42-11	10-May-23	45056	<1.0	0	440	1	1,420	1
42-11	14-Aug-23	45152	<1.0	0	350	1	1,310	1
42-11	15-Nov-23	45245	<1.0	0	310	1	1,120	1
42-11	14-Feb-24	45336	6.2	1	550	1	2,790	1
42-11	15-May-24	45427	<1.0	0	280	1	1,100	1
42-11	22-Aug-24	45526	33	1	1600	1	4,400	1
42-11	14-Nov-24	45610	5.8	1	560	1	2,600	1
42-12	1-Dec-15	42339	0.917	1	341	1	1,140	1
42-12	23-Feb-16	42423	0.789	1	352	1	1,140	1
42-12	1-Jun-16	42522	0.949	1	341	1	1,250	1
42-12	1-Sep-16	42614	0.731	1	344	1	1,210	1
42-12	29-Nov-16	42703	1.84	1	346	1	1,200	1
42-12	6-Mar-17	42800	1.07	1	330	1	1,210	1
42-12	2-Jun-17	42888	0.913	1	328	1	1,170	1
42-12	23-Aug-17	42970	0.684	1	325	1	1,170	1
42-12	4-Dec-17	43073	0.825	1	321	1	1,030	1
42-12	19-Feb-18	43150	<1.0	0	330	1	1,240	1
42-12	30-May-18	43250	0.78	1	370	1	1,200	1
42-12	22-Aug-18	43334	1.0	1	330	1	1,190	1
42-12	4-Dec-18	43438	<1.0	0	330	1	1,190	1
42-12	6-Mar-19	43530	<1.0	0	300	1	1,190	1
42-12	30-May-19	43615	1.0	1	320	1	1,180	1
42-12	19-Aug-19	43696	<1.0	0	330	1	1,170	1
42-12	25-Nov-19	43794	1.1	1	350	1	1,170	1
42-12	12-Feb-20	43873	1.3	1	330	1	1,160	1
42-12	22-May-20	43973	1.1	1	310	1	1,130	1
42-12	19-Aug-20	44062	<1.0	0	310	1	1,130	1
42-12	13-Nov-20	44148	1.3	1	310	1	1,100	1
42-12	17-Feb-21	44244	1.7	1	290	1	1,090	1
42-12	12-May-21	44328	1.7	1	270	1	1,120	1
42-12	12-Aug-21	44420	1.6	1	290	1	1,110	1
42-12	9-Nov-21	44509	1.8	1	270	1	1,080	1
42-12	17-Feb-22	44609	1.9	1	270	1	1,090	1
42-12	11-May-22	44692	1.6	1	250	1	1,080	1
42-12	11-Aug-22	44784	1.0	1	260	1	1,070	1
42-12	10-Nov-22	44875	<1.0	0	270	1	1,090	1
42-12	14-Feb-23	44971	1.8	1	260	1	1,080	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
42-12	11-May-23	45057	<1.0	0	250	1	1,010	1
42-12	16-Aug-23	45154	<1.0	0	270	1	1,030	1
42-12	14-Feb-24	45336	<1.0	0	270	1	1,080	1
42-12	15-May-24	45427	<1.0	0	280	1	1,100	1
42-12	22-Aug-24	45526	38	1	1,800	1	4,500	1
42-12	14-Nov-24	45610	5.0	1	570	1	2,700	1
42-12	20-Feb-25	45708	<1.0	0	290	1	1,000	1
42-13	28-Nov-16	42702	43.5	1	839	1	3,340	1
42-13	6-Mar-17	42800	43.6	1	838	1	3,410	1
42-13	1-Dec-17	43070	48.0	1	1,090	1	3,240	1
42-13	21-Feb-18	43152	57	1	1,000	1	3,540	1
42-13	29-May-18	43249	61	1	970	1	3,590	1
42-13	22-Aug-18	43334	43	1	1,000	1	3,470	1
42-13	6-Mar-19	43530	54	1	910	1	3,510	1
42-13	22-Nov-19	43791	33	1	1,000	1	3,570	1
42-13	11-Feb-20	43872	41	1	990	1	3,520	1
42-13	22-May-20	43973	42	1	950	1	3,390	1
42-13	18-Aug-20	44061	69	1	1,000	1	3,710	1
42-13	16-Nov-20	44151	48	1	1,100	1	3,670	1
42-13	17-Feb-21	44244	39	1	1,100	1	3,510	1
42-13	11-May-21	44327	20	1	1,000	1	3,340	1
42-13	11-Aug-21	44419	20	1	1,000	1	3,330	1
42-13	8-Nov-21	44508	16	1	1,000	1	3,310	1
42-13	16-Feb-22	44608	16	1	1,000	1	3,330	1
42-13	10-May-22	44691	21	1	940	1	3,380	1
42-13	10-Aug-22	44783	16	1	950	1	3,290	1
42-13	9-Nov-22	44874	16	1	980	1	3,270	1
42-13	10-Feb-23	44967	15	1	1,000	1	3,250	1
42-13	9-May-23	45055	11	1	900	1	3,060	1
42-13	11-Aug-23	45149	36	1	1,000	1	3,230	1
42-13	16-Nov-23	45246	38	1	990	1	3,150	1
42-13	13-Feb-24	45335	37	1	1,000	1	3,170	1
42-13	17-May-24	45429	36	1	990	1	3,200	1
42-13	21-Aug-24	45525	41	1	930	1	3,200	1
42-13	13-Nov-24	45609	39	1	890	1	3,200	1
42-13	21-Feb-25	45709	12	1	820	1	3,000	1
624-01	10-Nov-15	42318	7.06	1	703	1	2,440	1
624-01	16-Feb-16	42416	11.0	1	744	1	2,480	1
624-01	19-May-16	42509	20.6	1	808	1	2,710	1
624-01	19-Aug-16	42601	7.25	1	926	1	2,970	1
624-01	14-Nov-16	42688	11.3	1	1,040	1	3,260	1
624-01	22-Feb-17	42788	15.3	1	997	1	3,210	1
624-01	23-May-17	42878	14.6	1	1,060	1	3,030	1
624-01	15-Aug-17	42962	14.8	1	1,050	1	3,080	1
624-01	14-Nov-17	43053	12.7	1	979	1	2,750	1
624-01	14-Feb-18	43145	13	1	940	1	3,110	1
624-01	22-May-18	43242	13	1	1,000	1	3,240	1
624-01	29-Aug-18	43341	9.9	1	990	1	3,700	1
624-01	20-Nov-18	43424	16	1	630	1	2,180	1
624-01	28-Feb-19	43524	11	1	1,000	1	3,170	1
624-01	20-May-19	43605	12	1	910	1	2,860	1
624-01	13-Aug-19	43690	9.2	1	660	1	2,390	1
624-01	15-Nov-19	43784	13	1	550	1	2,190	1
624-01	12-Feb-20	43873	8.7	1	510	1	2,050	1
624-01	15-May-20	43966	6.6	1	520	1	1,980	1
624-01	17-Aug-20	44060	3.7	1	500	1	1,910	1
624-01	13-Nov-20	44148	4.3	1	540	1	1,990	1
624-01	18-Feb-21	44245	3.1	1	540	1	1,950	1
624-01	14-May-21	44330	6.7	1	560	1	1,960	1
624-01	27-Aug-21	44435	10	1	700	1	2,400	1
624-01	10-Nov-21	44510	4.5	1	650	1	2,220	1
624-01	18-Feb-22	44610	6.1	1	670	1	2,340	1
624-01	12-May-22	44693	19	1	750	1	2,550	1
624-01	12-Aug-22	44785	12	1	920	1	2,820	1
624-01	11-Nov-22	44876	12	1	840	1	2,880	1
624-01	16-Feb-23	44973	13	1	860	1	2,770	1
624-01	12-May-23	45058	12	1	850	1	2,680	1
624-01	17-Aug-23	45155	18	1	880	1	2,750	1
624-01	10-Nov-23	45240	17	1	920	1	2,720	1
624-01	15-Feb-24	45337	17	1	860	1	2,730	1
624-01	20-May-24	45432	17	1	820	1	2,800	1
624-01	28-Aug-24	45532	24	1	1,000	1	2,700	1
624-01	15-Nov-24	45611	28	1	1,100	1	3,100	1
624-01	25-Feb-25	45713	27	1	1,100	1	3,100	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
624-02	10-Nov-15	42318	17.2	1	1,050	1	3,290	1
624-02	16-Feb-16	42416	10.2	1	785	1	2,800	1
624-02	19-May-16	42509	18.5	1	914	1	3,280	1
624-02	19-Aug-16	42601	6.46	1	692	1	2,590	1
624-02	14-Nov-16	42688	8.58	1	747	1	2,850	1
624-02	22-Feb-17	42788	11.7	1	793	1	3,060	1
624-02	23-May-17	42878	14.2	1	827	1	3,590	1
624-02	15-Aug-17	42962	10.9	1	796	1	3,020	1
624-02	14-Nov-17	43053	8.97	1	706	1	2,780	1
624-02	14-Feb-18	43145	9.1	1	720	1	2,920	1
624-02	22-May-18	43242	10	1	860	1	3,290	1
624-02	29-Aug-18	43341	8.9	1	710	1	2,160	1
624-02	20-Nov-18	43424	9.4	1	850	1	3,010	1
624-02	28-Feb-19	43524	8.2	1	950	1	3,130	1
624-02	20-May-19	43605	7.4	1	770	1	2,860	1
624-02	13-Aug-19	43690	7.7	1	790	1	2,860	1
624-02	15-Nov-19	43784	5.2	1	530	1	2,470	1
624-02	12-Feb-20	43873	4.4	1	480	1	2,210	1
624-02	15-May-20	43966	4.3	1	550	1	2,300	1
624-02	17-Aug-20	44060	5.4	1	610	1	2,350	1
624-02	12-Nov-20	44147	5.2	1	480	1	2,300	1
624-02	19-Feb-21	44246	3.6	1	650	1	2,320	1
624-02	14-May-21	44330	5.6	1	740	1	2,710	1
624-02	27-Aug-21	44435	4.1	1	480	1	2,160	1
624-02	11-Nov-21	44511	7.2	1	680	1	2,840	1
624-02	18-Feb-22	44610	12	1	830	1	3,240	1
624-02	12-May-22	44693	13	1	800	1	3,430	1
624-02	12-Aug-22	44785	13	1	850	1	3,240	1
624-02	11-Nov-22	44876	8.7	1	600	1	2,740	1
624-02	16-Feb-23	44973	9.2	1	640	1	2,720	1
624-02	12-May-23	45058	9.3	1	690	1	2,680	1
624-02	17-Aug-23	45155	9.8	1	750	1	3,010	1
624-02	10-Nov-23	45240	8.2	1	660	1	2,590	1
624-02	15-Feb-24	45337	7.6	1	690	1	2,640	1
624-02	20-May-24	45432	7.7	1	790	1	3,100	1
624-02	28-Aug-24	45532	6.5	1	670	1	2,700	1
624-02	15-Nov-24	45611	10	1	1,000	1	3,200	1
624-02	25-Feb-25	45713	11	1	990	1	3,000	1
624-09	13-Feb-20	43874	<1.0	0	320	1	2,130	1
624-09	14-May-20	43965	<1.0	0	320	1	1,480	1
624-09	17-Aug-20	44060	3.5	1	370	1	1,970	1
624-09	13-Nov-20	44148	1.3	1	260	1	1,440	1
624-09	19-Feb-21	44246	13	1	600	1	2,820	1
624-09	12-May-21	44328	6.8	1	440	1	2,420	1
624-09	12-Aug-21	44420	2.6	1	380	1	2,070	1
624-09	10-Nov-21	44510	2.8	1	370	1	2,010	1
624-09	18-Feb-22	44610	1.6	1	310	1	1,880	1
624-09	13-May-22	44694	2.4	1	270	1	1,700	1
624-09	15-Aug-22	44788	<0.50	0	140	1	1,180	1
624-09	14-Nov-22	44879	<1.0	0	140	1	1,020	1
624-09	16-Feb-23	44973	<1.0	0	180	1	1,050	1
624-09	11-May-23	45057	<1.0	0	250	1	1,470	1
624-09	16-Aug-23	45154	<1.0	0	240	1	1,360	1
624-09	15-Nov-23	45245	1.8	1	330	1	1,750	1
624-09	16-Feb-24	45338	3.7	1	360	1	1,940	1
624-09	21-May-24	45433	6.2	1	430	1	2,100	1
624-09	26-Aug-24	45530	1.7	1	300	1	1,800	1
624-09	18-Nov-24	45614	1.9	1	300	1	1,800	1
624-09	24-Feb-25	45712	1.1	1	230	1	1,500	1
624-10	13-Feb-20	43874	4.2	1	450	1	2,720	1
624-10	14-May-20	43965	2.3	1	490	1	2,640	1
624-10	17-Aug-20	44060	5.7	1	520	1	2,700	1
624-10	13-Nov-20	44148	2.3	1	500	1	2,710	1
624-10	19-Feb-21	44246	2.9	1	540	1	2,690	1
624-10	12-May-21	44328	17	1	420	1	2,320	1
624-10	12-Aug-21	44420	19	1	350	1	2,190	1
624-10	10-Nov-21	44510	8.9	1	440	1	2,330	1
624-10	18-Feb-22	44610	14	1	390	1	2,200	1
624-10	12-May-22	44693	5.8	1	410	1	2,420	1
624-10	12-Aug-22	44785	<1.0	0	480	1	2,690	1
624-10	14-Nov-22	44879	<1.0	0	510	1	2,760	1
624-10	16-Feb-23	44973	<1.0	0	550	1	2,860	1
624-10	11-May-23	45057	<1.0	0	690	1	3,240	1
624-10	16-Aug-23	45154	<1.0	0	610	1	2,990	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
624-10	15-Nov-23	45245	<1.0	0	570	1	2,870	1
624-10	16-Feb-24	45338	1.0	1	620	1	3,180	1
624-10	20-May-24	45432	<1.0	0	570	1	2,900	1
624-10	26-Aug-24	45530	2.5	1	580	1	3,100	1
624-10	18-Nov-24	45614	<1.0	0	680	1	3,300	1
624-10	24-Feb-25	45712	2.5	1	930	1	3,700	1
624-11	13-Feb-20	43874	9.2	1	910	1	3,650	1
624-11	15-May-20	43966	12	1	1,200	1	3,510	1
624-11	17-Aug-20	44060	11	1	1,200	1	3,440	1
624-11	12-Nov-20	44147	11	1	1,100	1	3,200	1
624-11	19-Feb-21	44246	11	1	1,100	1	3,300	1
624-11	14-May-21	44330	11	1	1,100	1	3,330	1
624-11	27-Aug-21	44435	14	1	1,000	1	3,320	1
624-11	11-Nov-21	44511	9.8	1	1,000	1	3,330	1
624-11	18-Feb-22	44610	9.7	1	1,100	1	3,220	1
624-11	12-May-22	44693	9.6	1	1,000	1	3,340	1
624-11	12-Aug-22	44785	9.2	1	1,100	1	3,230	1
624-11	11-Nov-22	44876	8.8	1	1,200	1	3,500	1
624-11	17-Feb-23	44974	10	1	1,200	1	3,500	1
624-11	12-May-23	45058	8.9	1	1,300	1	3,600	1
624-11	17-Aug-23	45155	8.2	1	1,600	1	4,110	1
624-11	10-Nov-23	45240	7.4	1	1,700	1	4,150	1
624-11	15-Feb-24	45337	7.2	1	1,700	1	4,320	1
624-11	20-May-24	45432	7.0	1	1,500	1	4,400	1
624-11	28-Aug-24	45532	7.3	1	1,600	1	4,100	1
624-11	15-Nov-24	45611	6.7	1	1,900	1	4,500	1
624-11	25-Feb-25	45713	7.3	1	1,800	1	4,600	1
692-02	2-Dec-15	42340	134	1	967	1	3,500	1
692-02	24-Feb-16	42424	140	1	990	1	3,480	1
692-02	31-May-16	42521	124	1	879	1	3,520	1
692-02	6-Sep-16	42619	111	1	869	1	3,340	1
692-02	30-Nov-16	42704	103	1	803	1	3,300	1
692-02	2-Mar-17	42796	17.8	1	583	1	2,250	1
692-02	5-Jun-17	42891	2.82	1	421	1	1,640	1
692-02	23-Aug-17	42970	24.4	1	660	1	2,290	1
692-02	30-Nov-17	43069	43.4	1	746	1	2,300	1
692-02	23-Feb-18	43154	82	1	840	1	2,960	1
692-02	30-May-18	43250	64	1	690	1	2,770	1
692-02	23-Aug-18	43335	66	1	610	1	2,690	1
692-02	27-Nov-18	43431	58	1	620	1	2,440	1
692-02	7-Mar-19	43531	67	1	640	1	2,560	1
692-02	29-May-19	43614	2.5	1	290	1	964	1
692-02	15-Aug-19	43692	2.2	1	380	1	1,210	1
692-02	2-Dec-19	43801	<1.0	0	260	1	890	1
692-02	19-Feb-20	43880	<1.0	0	270	1	882	1
692-02	26-May-20	43977	<1.0	0	280	1	868	1
692-02	26-Aug-20	44069	<1.0	0	280	1	871	1
692-02	23-Nov-20	44158	<1.0	0	250	1	879	1
692-02	9-Mar-21	44264	<1.0	0	270	1	877	1
692-02	20-May-21	44336	<1.0	0	280	1	892	1
692-02	23-Aug-21	44431	<1.0	0	290	1	912	1
692-02	19-Nov-21	44519	1.1	1	270	1	953	1
692-02	1-Mar-22	44621	5.0	1	300	1	1,060	1
692-02	20-May-22	44701	4.4	1	300	1	1,050	1
692-02	22-Aug-22	44795	11	1	350	1	1,260	1
692-02	28-Nov-22	44893	17	1	360	1	1,410	1
692-02	27-Feb-23	44984	21	1	410	1	1,430	1
692-02	18-May-23	45064	25	1	440	1	1,590	1
692-02	25-Aug-23	45163	31	1	480	1	1,830	1
692-02	29-Nov-23	45259	13	1	450	1	1,720	1
692-02	27-Feb-24	45349	23	1	480	1	1,850	1
692-02	4-Jun-24	45447	33	1	450	1	1,900	1
692-02	4-Sep-24	45539	16	1	440	1	1,700	1
692-02	26-Nov-24	45622	19	1	420	1	1,600	1
692-02	4-Mar-25	45720	7.3	1	450	1	1,500	1
692-05	2-Dec-15	42340	5.68	1	457	1	1,370	1
692-05	24-Feb-16	42424	6.72	1	463	1	1,540	1
692-05	31-May-16	42521	7.29	1	459	1	1,470	1
692-05	2-Sep-16	42615	8.07	1	452	1	1,420	1
692-05	29-Nov-16	42703	6.85	1	430	1	1,420	1
692-05	3-Mar-17	42797	8.32	1	425	1	1,430	1
692-05	5-Jun-17	42891	9.24	1	440	1	1,430	1
692-05	22-Aug-17	42969	10.6	1	450	1	1,470	1
692-05	30-Nov-17	43069	11.9	1	433	1	1,300	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
692-05	23-Aug-18	43335	9.1	1	400	1	1,500	1
692-05	14-Mar-19	43538	12	1	410	1	1,540	1
692-05	29-May-19	43614	13	1	420	1	1,600	1
692-05	16-Aug-19	43693	12	1	420	1	1,570	1
692-05	2-Dec-19	43801	13	1	390	1	1,510	1
692-05	19-Feb-20	43880	14	1	420	1	1,780	1
692-05	27-May-20	43978	12	1	400	1	1,640	1
692-05	27-Aug-20	44070	14	1	410	1	1,580	1
692-05	23-Nov-20	44158	14	1	400	1	1,580	1
692-05	9-Mar-21	44264	17	1	410	1	1,550	1
692-05	21-May-21	44337	14	1	430	1	1,620	1
692-05	23-Aug-21	44431	18	1	430	1	1,570	1
692-05	19-Nov-21	44519	19	1	400	1	1,600	1
692-05	2-Mar-22	44622	16	1	400	1	1,550	1
692-05	20-May-22	44701	15	1	380	1	1,550	1
692-05	23-Aug-22	44796	17	1	430	1	1,600	1
692-05	30-Nov-22	44895	18	1	390	1	1,610	1
692-05	28-Feb-23	44985	16	1	430	1	1,560	1
692-05	23-May-23	45069	14	1	400	1	1,500	1
692-05	28-Aug-23	45166	16	1	410	1	1,570	1
692-05	1-Dec-23	45261	19	1	430	1	1,610	1
692-05	28-Feb-24	45350	16	1	420	1	1,570	1
692-05	4-Jun-24	45447	15	1	420	1	1,600	1
692-05	5-Sep-24	45540	15	1	400	1	1,500	1
692-05	26-Nov-24	45622	18	1	420	1	1,600	1
692-05	5-Mar-25	45721	17	1	470	1	1,600	1
692-06	2-Dec-15	42340	3.04	1	450	1	1,420	1
692-06	24-Feb-16	42424	2.93	1	465	1	1,410	1
692-06	31-May-16	42521	2.27	1	467	1	1,420	1
692-06	6-Sep-16	42619	2.86	1	471	1	1,420	1
692-06	30-Nov-16	42704	3.12	1	414	1	1,420	1
692-06	2-Mar-17	42796	2.84	1	404	1	1,530	1
692-06	5-Jun-17	42891	3.20	1	428	1	1,580	1
692-06	23-Aug-17	42970	3.29	1	420	1	1,480	1
692-06	30-Nov-17	43069	3.46	1	420	1	1,290	1
692-06	23-Feb-18	43154	2.9	1	420	1	1,430	1
692-06	30-May-18	43250	3.9	1	410	1	1,420	1
692-06	23-Aug-18	43335	3.5	1	370	1	1,450	1
692-06	4-Dec-18	43438	3.7	1	450	1	1,490	1
692-06	7-Mar-19	43531	3.1	1	420	1	1,450	1
692-06	29-May-19	43614	3.3	1	400	1	1,430	1
692-06	15-Aug-19	43692	3.8	1	420	1	1,440	1
692-06	26-Nov-19	43795	4.0	1	420	1	1,490	1
692-06	18-Feb-20	43879	3.2	1	420	1	1,400	1
692-06	27-May-20	43978	3.1	1	370	1	1,440	1
692-06	27-Aug-20	44070	3.6	1	400	1	1,450	1
692-06	24-Nov-20	44159	4.0	1	420	1	1,470	1
692-06	11-Mar-21	44266	3.0	1	390	1	1,390	1
692-06	21-May-21	44337	3.4	1	420	1	1,470	1
692-06	24-Aug-21	44432	3.6	1	410	1	1,490	1
692-06	22-Nov-21	44522	4.3	1	430	1	1,500	1
692-06	2-Mar-22	44622	3.7	1	400	1	1,380	1
692-06	23-May-22	44704	3.9	1	420	1	1,420	1
692-06	23-Aug-22	44796	4.9	1	440	1	1,490	1
692-06	30-Nov-22	44895	4.6	1	390	1	1,470	1
692-06	28-Feb-23	44985	4.6	1	440	1	1,430	1
692-06	23-May-23	45069	4.8	1	390	1	1,410	1
692-06	28-Aug-23	45166	4.9	1	410	1	1,470	1
692-06	1-Dec-23	45261	4.3	1	430	1	1,450	1
692-06	28-Feb-24	45350	4.3	1	400	1	1,450	1
692-06	5-Jun-24	45448	5.0	1	430	1	1,500	1
692-06	5-Sep-24	45540	4.8	1	400	1	1,500	1
692-06	26-Nov-24	45622	5.6	1	440	1	1,500	1
692-06	5-Mar-25	45721	5.4	1	460	1	1,500	1
692-07	2-Dec-15	42340	3.13	1	582	1	1,490	1
692-07	24-Feb-16	42424	3.42	1	618	1	1,590	1
692-07	31-May-16	42521	2.19	1	526	1	1,660	1
692-07	2-Sep-16	42615	3.04	1	591	1	1,520	1
692-07	29-Nov-16	42703	3.88	1	570	1	1,660	1
692-07	3-Mar-17	42797	3.14	1	564	1	1,550	1
692-07	5-Jun-17	42891	3.18	1	570	1	1,520	1
692-07	23-Aug-17	42970	3.38	1	576	1	1,590	1
692-07	30-Nov-17	43069	3.38	1	576	1	1,450	1
692-07	23-Feb-18	43154	2.9	1	610	1	1,630	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
692-07	30-May-18	43250	3.3	1	590	1	1,600	1
692-07	23-Aug-18	43335	3.3	1	500	1	1,650	1
692-07	4-Dec-18	43438	3.5	1	560	1	1,640	1
692-07	7-Mar-19	43531	3.5	1	580	1	1,680	1
692-07	29-May-19	43614	3.1	1	560	1	1,690	1
692-07	16-Aug-19	43693	3.9	1	540	1	1,700	1
692-07	26-Nov-19	43795	3.4	1	570	1	1,650	1
692-07	19-Jun-20	44001	2.9	1	550	1	1,790	1
692-07	27-Aug-20	44070	3.2	1	570	1	1,720	1
692-07	24-Nov-20	44159	3.5	1	590	1	1,620	1
692-07	11-Mar-21	44266	2.8	1	540	1	1,640	1
692-07	21-May-21	44337	3.6	1	570	1	1,620	1
692-07	24-Aug-21	44432	3.9	1	590	1	1,760	1
692-07	22-Nov-21	44522	3.1	1	580	1	1,700	1
692-07	2-Mar-22	44622	2.5	1	510	1	1,530	1
692-07	23-May-22	44704	3.6	1	570	1	1,670	1
692-07	24-Aug-22	44797	3.2	1	480	1	1,720	1
692-07	1-Dec-22	44896	3.0	1	540	1	1,650	1
692-07	28-Feb-23	44985	2.7	1	540	1	1,560	1
692-07	24-May-23	45070	3.0	1	510	1	1,510	1
692-07	29-Aug-23	45167	2.8	1	510	1	1,550	1
692-07	1-Dec-23	45261	2.6	1	550	1	1,600	1
692-07	28-Feb-24	45350	3.0	1	510	1	1,590	1
692-07	5-Jun-24	45448	3.0	1	550	1	1,700	1
692-07	5-Sep-24	45540	2.8	1	530	1	1,700	1
692-07	2-Dec-24	45628	3.1	1	550	1	1,600	1
692-07	6-Mar-25	45722	3.6	1	630	1	1,700	1
692-08	2-Dec-15	42340	1.91	1	434	1	1,330	1
692-08	24-Feb-16	42424	3.22	1	448	1	1,300	1
692-08	31-May-16	42521	1.58	1	437	1	1,340	1
692-08	2-Sep-16	42615	0.791	1	473	1	1,320	1
692-08	30-Nov-16	42704	2.26	1	422	1	1,340	1
692-08	3-Mar-17	42797	2.84	1	412	1	1,270	1
692-08	5-Jun-17	42891	2.12	1	413	1	1,300	1
692-08	22-Aug-17	42969	2.29	1	416	1	1,370	1
692-08	30-Nov-17	43069	4.74	1	420	1	1,280	1
692-08	23-Feb-18	43154	3.0	1	410	1	1,360	1
692-08	30-May-18	43250	2.5	1	420	1	1,340	1
692-08	23-Aug-18	43335	2.1	1	370	1	1,380	1
692-08	4-Dec-18	43438	2.4	1	420	1	1,370	1
692-08	7-Mar-19	43531	2.6	1	420	1	1,400	1
692-08	29-May-19	43614	2.8	1	410	1	1,380	1
692-08	16-Aug-19	43693	1.2	1	390	1	1,340	1
692-08	25-Nov-19	43794	1.8	1	360	1	1,350	1
692-08	18-Feb-20	43879	3.9	1	430	1	1,380	1
692-08	27-May-20	43978	1.4	1	400	1	1,400	1
692-08	27-Aug-20	44070	1.9	1	430	1	1,400	1
692-08	24-Nov-20	44159	2.1	1	390	1	1,360	1
692-08	11-Mar-21	44266	2.3	1	400	1	1,350	1
692-08	21-May-21	44337	1.7	1	410	1	1,390	1
692-08	24-Aug-21	44432	2.1	1	410	1	1,390	1
692-08	22-Nov-21	44522	6.8	1	380	1	1,400	1
692-08	2-Mar-22	44622	5.0	1	390	1	1,370	1
692-08	23-May-22	44704	6.2	1	400	1	1,380	1
692-08	24-Aug-22	44797	1.9	1	360	1	1,370	1
692-08	1-Dec-22	44896	1.6	1	420	1	1,370	1
692-08	1-Mar-23	44986	3.0	1	430	1	1,330	1
692-08	24-May-23	45070	5.2	1	360	1	1,290	1
692-08	29-Aug-23	45167	2.3	1	370	1	1,280	1
692-08	4-Dec-23	45264	3.1	1	400	1	1,380	1
692-08	29-Feb-24	45351	2.1	1	390	1	1,330	1
692-08	6-Jun-24	45449	2.4	1	400	1	1,300	1
692-08	6-Sep-24	45541	1.7	1	400	1	1,300	1
692-08	3-Dec-24	45629	3.2	1	410	1	1,400	1
692-08	6-Mar-25	45722	3.0	1	470	1	1,500	1
692-09	2-Dec-15	42340	2.88	1	435	1	1,320	1
692-09	24-Feb-16	42424	3.38	1	445	1	1,280	1
692-09	31-May-16	42521	2.96	1	438	1	1,400	1
692-09	2-Sep-16	42615	0.794	1	426	1	1,340	1
692-09	30-Nov-16	42704	4.39	1	420	1	1,380	1
692-09	3-Mar-17	42797	4.22	1	399	1	1,320	1
692-09	5-Jun-17	42891	2.76	1	408	1	1,340	1
692-09	22-Aug-17	42969	3.93	1	411	1	1,360	1
692-09	30-Nov-17	43069	0.746	1	405	1	970	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
692-09	23-Feb-18	43154	<1.0	0	410	1	1,380	1
692-09	30-May-18	43250	4.2	1	410	1	1,420	1
692-09	23-Aug-18	43335	3.1	1	350	1	1,410	1
692-09	4-Dec-18	43438	3.2	1	400	1	1,410	1
692-09	7-Mar-19	43531	3.0	1	390	1	1,400	1
692-09	29-May-19	43614	3.9	1	390	1	1,390	1
692-09	16-Aug-19	43693	5.4	1	380	1	1,410	1
692-09	2-Dec-19	43801	6.4	1	350	1	1,420	1
692-09	27-May-20	43978	3.9	1	380	1	1,400	1
692-09	26-Aug-20	44069	4.7	1	400	1	1,410	1
692-09	23-Nov-20	44158	3.4	1	380	1	1,370	1
692-09	9-Mar-21	44264	8.2	1	390	1	1,380	1
692-09	20-May-21	44336	3.2	1	400	1	1,420	1
692-09	23-Aug-21	44431	3.6	1	410	1	1,370	1
692-09	19-Nov-21	44519	5.3	1	410	1	1,420	1
692-09	1-Mar-22	44621	8.5	1	360	1	1,460	1
692-09	20-May-22	44701	7.4	1	370	1	1,410	1
692-09	23-Aug-22	44796	5.4	1	410	1	1,420	1
692-09	30-Nov-22	44895	8.4	1	370	1	1,430	1
692-09	28-Feb-23	44985	8.2	1	400	1	1,400	1
692-09	23-May-23	45069	7.0	1	380	1	1,380	1
692-09	28-Aug-23	45166	4.2	1	400	1	1,390	1
692-09	4-Dec-23	45264	3.4	1	400	1	1,410	1
692-09	28-Feb-24	45350	4.4	1	400	1	1,380	1
692-09	5-Jun-24	45448	6.7	1	390	1	1,400	1
692-09	4-Sep-24	45539	7.0	1	380	1	1,400	1
692-09	26-Nov-24	45622	6.0	1	400	1	1,400	1
692-09	5-Mar-25	45721	7.9	1	440	1	1,400	1
692-10	30-Nov-22	44895	<1.0	0	610	1	1,830	1
692-10	1-Mar-23	44986	<1.0	0	640	1	1,540	1
692-10	24-May-23	45070	<1.0	0	630	1	1,520	1
692-10	29-Aug-23	45167	<1.0	0	630	1	1,640	1
692-10	1-Dec-23	45261	<1.0	0	660	1	1,610	1
692-10	29-Feb-24	45351	1.2	1	630	1	1,750	1
692-10	5-Jun-24	45448	<2.0	0	650	1	1,900	1
692-10	6-Sep-24	45541	<1.0	0	630	1	1,700	1
692-10	2-Dec-24	45628	<2.0	0	690	1	1,700	1
692-10	6-Mar-25	45722	1.4	1	780	1	1,900	1
70/86/340-01	10-Nov-15	42318	16.0	1	1,740	1	4,940	1
70/86/340-01	15-Feb-16	42415	12.1	1	1,750	1	4,730	1
70/86/340-01	19-May-16	42509	17.3	1	1,630	1	4,680	1
70/86/340-01	23-Aug-16	42605	24.1	1	3,450	1	5,170	1
70/86/340-01	10-Nov-16	42684	22.6	1	817	1	5,080	1
70/86/340-01	16-Feb-17	42782	30.1	1	1,350	1	4,430	1
70/86/340-01	18-May-17	42873	20.3	1	1,730	1	5,410	1
70/86/340-01	11-Aug-17	42958	20.6	1	1,790	1	5,170	1
70/86/340-01	9-Nov-17	43048	19.6	1	1,510	1	4,190	1
70/86/340-01	12-Feb-18	43143	19	1	1,500	1	4,580	1
70/86/340-01	21-May-18	43241	18	1	1,600	1	4,600	1
70/86/340-01	14-Aug-18	43326	19	1	1,700	1	4,680	1
70/86/340-01	16-Nov-18	43420	23	1	1,700	1	4,560	1
70/86/340-01	25-Feb-19	43521	21	1	1,700	1	4,750	1
70/86/340-01	16-May-19	43601	23	1	1,800	1	4,720	1
70/86/340-01	7-Aug-19	43684	23	1	1,700	1	4,720	1
70/86/340-01	15-Nov-19	43784	22	1	1,500	1	4,660	1
70/86/340-01	7-Feb-20	43868	22	1	1,700	1	4,590	1
70/86/340-01	18-May-20	43969	18	1	1,800	1	4,520	1
70/86/340-01	13-Aug-20	44056	18	1	1,600	1	4,500	1
70/86/340-01	11-Nov-20	44146	12	1	1,700	1	4,320	1
70/86/340-01	15-Feb-21	44242	9.8	1	1,500	1	3,790	1
70/86/340-01	6-May-21	44322	7.9	1	1,300	1	3,550	1
70/86/340-01	9-Aug-21	44417	3.9	1	1,000	1	3,060	1
70/86/340-01	4-Nov-21	44504	20	1	1,500	1	4,260	1
70/86/340-01	14-Feb-22	44606	20	1	1,700	1	5,440	1
70/86/340-01	5-May-22	44686	20	1	1,900	1	6,120	1
70/86/340-01	8-Aug-22	44781	20	1	1,900	1	6,250	1
70/86/340-01	7-Nov-22	44872	27	1	1,800	1	6,570	1
70/86/340-01	8-Feb-23	44965	29	1	2,000	1	6,560	1
70/86/340-01	5-May-23	45051	24	1	1,900	1	6,060	1
70/86/340-01	8-Aug-23	45146	69	1	2,400	1	7,090	1
70/86/340-01	8-Nov-23	45238	33	1	1,900	1	6,290	1
70/86/340-01	9-Feb-24	45331	24	1	2,000	1	6,290	1
70/86/340-01	13-May-24	45425	25	1	1,800	1	6,000	1
70/86/340-01	19-Aug-24	45523	24	1	1,300	1	4,200	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
70/86/340-01	11-Nov-24	45607	23	1	1,800	1	6,000	1
70/86/340-01	18-Feb-25	45706	24	1	2,000	1	5,800	1
70-01	12-Nov-15	42320	26.0	1	630	1	2,560	1
70-01	16-Feb-16	42416	25.6	1	673	1	2,650	1
70-01	24-May-16	42514	22.8	1	629	1	2,720	1
70-01	19-Aug-16	42601	23.5	1	532	1	2,740	1
70-01	22-Nov-16	42696	20.8	1	696	1	2,790	1
70-01	20-Feb-17	42786	21.8	1	643	1	2,530	1
70-01	19-May-17	42874	22.4	1	660	1	2,540	1
70-01	14-Aug-17	42961	24.3	1	723	1	2,740	1
70-01	9-Nov-17	43048	25.6	1	687	1	2,620	1
70-01	13-Feb-18	43144	30	1	810	1	3,010	1
70-01	21-May-18	43241	39	1	860	1	3,410	1
70-01	15-Aug-18	43327	37	1	900	1	3,530	1
70-01	15-Nov-18	43419	32	1	770	1	3,080	1
70-01	26-Feb-19	43522	33	1	840	1	3,390	1
70-01	16-May-19	43601	34	1	850	1	3,370	1
70-01	7-Aug-19	43684	31	1	850	1	3,450	1
70-01	15-Nov-19	43784	29	1	770	1	3,460	1
70-01	10-Feb-20	43871	28	1	770	1	3,210	1
70-01	13-May-20	43964	27	1	710	1	3,000	1
70-01	14-Aug-20	44057	27	1	770	1	3,150	1
70-01	12-Nov-20	44147	26	1	720	1	3,030	1
70-01	16-Feb-21	44243	23	1	800	1	3,140	1
70-01	10-May-21	44326	22	1	750	1	3,180	1
70-01	10-Aug-21	44418	23	1	750	1	3,130	1
70-01	5-Nov-21	44505	20	1	850	1	3,320	1
70-01	15-Feb-22	44607	20	1	690	1	3,170	1
70-01	9-May-22	44690	15	1	700	1	3,330	1
70-01	9-Aug-22	44782	16	1	690	1	3,350	1
70-01	8-Nov-22	44873	17	1	700	1	3,180	1
70-01	9-Feb-23	44966	17	1	720	1	3,160	1
70-01	8-May-23	45054	13	1	770	1	3,100	1
70-01	9-Aug-23	45147	13	1	640	1	3,180	1
70-01	9-Nov-23	45239	14	1	680	1	3,180	1
70-01	12-Feb-24	45334	14	1	670	1	3,100	1
70-01	14-May-24	45426	14	1	700	1	3,000	1
70-01	20-Aug-24	45524	13	1	650	1	3,100	1
70-01	12-Nov-24	45608	14	1	750	1	3,200	1
70-01	19-Feb-25	45707	14	1	720	1	3,100	1
70-02	12-Nov-15	42320	36.1	1	811	1	3,210	1
70-02	16-Feb-16	42416	37.7	1	837	1	3,180	1
70-02	23-May-16	42513	35.9	1	801	1	3,250	1
70-02	18-Aug-16	42600	35.0	1	849	1	3,270	1
70-02	22-Nov-16	42696	31.3	1	831	1	3,150	1
70-02	20-Feb-17	42786	31.0	1	808	1	3,120	1
70-02	19-May-17	42874	31.3	1	791	1	3,070	1
70-02	14-Aug-17	42961	33.4	1	824	1	3,220	1
70-02	9-Nov-17	43048	30.7	1	770	1	2,680	1
70-02	13-Feb-18	43144	29	1	850	1	3,060	1
70-02	21-May-18	43241	33	1	790	1	2,960	1
70-02	15-Aug-18	43327	34	1	800	1	3,140	1
70-02	14-Nov-18	43418	31	1	880	1	2,950	1
70-02	26-Feb-19	43522	32	1	780	1	3,030	1
70-02	16-May-19	43601	36	1	840	1	2,960	1
70-02	6-Aug-19	43683	35	1	830	1	2,980	1
70-02	12-Nov-19	43781	33	1	780	1	2,930	1
70-02	10-Feb-20	43871	33	1	810	1	2,980	1
70-02	13-May-20	43964	34	1	810	1	3,070	1
70-02	14-Aug-20	44057	34	1	800	1	3,040	1
70-02	12-Nov-20	44147	35	1	770	1	2,870	1
70-02	16-Feb-21	44243	34	1	790	1	3,020	1
70-02	10-May-21	44326	33	1	770	1	2,980	1
70-02	10-Aug-21	44418	34	1	810	1	2,990	1
70-02	5-Nov-21	44505	35	1	780	1	2,990	1
70-02	15-Feb-22	44607	34	1	860	1	2,980	1
70-02	9-May-22	44690	33	1	760	1	3,020	1
70-02	9-Aug-22	44782	33	1	740	1	2,980	1
70-02	8-Nov-22	44873	31	1	830	1	2,840	1
70-02	9-Feb-23	44966	32	1	920	1	2,920	1
70-02	8-May-23	45054	29	1	740	1	2,890	1
70-02	9-Aug-23	45147	24	1	580	1	2,910	1
70-02	12-Feb-24	45334	32	1	820	1	2,760	1
70-02	14-May-24	45426	16	1	690	1	2,900	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
70-02	20-Aug-24	45524	13	1	650	1	3,100	1
70-02	12-Nov-24	45608	22	1	640	1	3,000	1
70-02	19-Feb-25	45707	33	1	860	1	2,900	1
70-03	12-Nov-15	42320	46.9	1	2,850	1	7,040	1
70-03	16-Feb-16	42416	49.1	1	3,340	1	8,380	1
70-03	24-May-16	42514	47.4	1	3,220	1	8,330	1
70-03	18-Aug-16	42600	45.2	1	6,010	1	9,340	1
70-03	22-Nov-16	42696	43.4	1	3,250	1	8,430	1
70-03	20-Feb-17	42786	43.6	1	3,200	1	8,270	1
70-03	19-May-17	42874	43.5	1	3,330	1	8,370	1
70-03	14-Aug-17	42961	45.4	1	3,380	1	8,370	1
70-03	9-Nov-17	43048	44.7	1	3,320	1	7,940	1
70-03	13-Feb-18	43144	46	1	3,400	1	8,490	1
70-03	21-May-18	43241	50	1	3,200	1	8,080	1
70-03	15-Aug-18	43327	50	1	3,100	1	7,900	1
70-03	15-Nov-18	43419	52	1	3,300	1	7,530	1
70-03	26-Feb-19	43522	51	1	3,000	1	7,320	1
70-03	16-May-19	43601	50	1	3,100	1	6,850	1
70-03	6-Aug-19	43683	53	1	2,800	1	6,810	1
70-03	15-Nov-19	43784	48	1	2,200	1	6,350	1
70-03	7-Feb-20	43868	50	1	2,400	1	6,080	1
70-03	13-May-20	43964	50	1	2,200	1	5,810	1
70-03	14-Aug-20	44057	47	1	2,100	1	5,590	1
70-03	11-Nov-20	44146	43	1	1,900	1	5,050	1
70-03	16-Feb-21	44243	41	1	1,700	1	4,600	1
70-03	10-May-21	44326	40	1	1,800	1	4,760	1
70-03	10-Aug-21	44418	41	1	1,800	1	4,770	1
70-03	5-Nov-21	44505	39	1	1,800	1	4,600	1
70-03	15-Feb-22	44607	38	1	1,600	1	4,240	1
70-03	9-May-22	44690	37	1	1,500	1	4,430	1
70-03	9-Aug-22	44782	39	1	1,600	1	4,750	1
70-03	8-Nov-22	44873	41	1	1,900	1	4,690	1
70-03	9-Feb-23	44966	39	1	1,800	1	4,140	1
70-03	8-May-23	45054	39	1	1,500	1	4,640	1
70-03	9-Aug-23	45147	38	1	1,600	1	4,400	1
70-03	9-Nov-23	45239	38	1	1,700	1	4,520	1
70-03	12-Feb-24	45334	37	1	1,800	1	4,560	1
70-03	14-May-24	45426	37	1	1,700	1	4,700	1
70-03	20-Aug-24	45524	38	1	1,700	1	5,000	1
70-03	12-Nov-24	45608	41	1	1,800	1	4,800	1
70-03	19-Feb-25	45707	41	1	1,800	1	4,900	1
70-04	12-Nov-15	42320	28.9	1	604	1	2,700	1
70-04	16-Feb-16	42416	31.4	1	626	1	2,670	1
70-04	23-May-16	42513	27.3	1	423	1	2,780	1
70-04	18-Aug-16	42600	27.8	1	739	1	2,920	1
70-04	22-Nov-16	42696	26.5	1	625	1	2,900	1
70-04	20-Feb-17	42786	26.1	1	644	1	2,970	1
70-04	19-May-17	42874	23.9	1	618	1	2,680	1
70-04	14-Aug-17	42961	24.6	1	655	1	2,820	1
70-04	9-Nov-17	43048	26.5	1	651	1	2,740	1
70-04	13-Feb-18	43144	27	1	710	1	2,860	1
70-04	21-May-18	43241	27	1	720	1	3,150	1
70-04	15-Aug-18	43327	27	1	680	1	3,070	1
70-04	14-Nov-18	43418	29	1	780	1	2,980	1
70-04	26-Feb-19	43522	25	1	720	1	3,020	1
70-04	16-May-19	43601	27	1	680	1	3,020	1
70-04	6-Aug-19	43683	38	1	640	1	2,940	1
70-04	12-Nov-19	43781	42	1	640	1	3,020	1
70-04	10-Feb-20	43871	37	1	670	1	3,190	1
70-04	13-May-20	43964	20	1	610	1	2,750	1
70-04	14-Aug-20	44057	21	1	600	1	2,900	1
70-04	12-Nov-20	44147	35	1	630	1	2,940	1
70-04	16-Feb-21	44243	22	1	600	1	2,940	1
70-04	10-May-21	44326	12	1	560	1	3,010	1
70-04	10-Aug-21	44418	14	1	610	1	2,990	1
70-04	5-Nov-21	44505	19	1	600	1	3,030	1
70-04	15-Feb-22	44607	17	1	600	1	3,000	1
70-04	9-May-22	44690	24	1	550	1	3,220	1
70-04	9-Aug-22	44782	25	1	540	1	3,020	1
70-04	8-Nov-22	44873	35	1	660	1	3,000	1
70-04	9-Feb-23	44966	33	1	730	1	3,090	1
70-04	8-May-23	45054	22	1	700	1	3,020	1
70-04	9-Aug-23	45147	19	1	580	1	3,040	1
70-04	9-Nov-23	45239	17	1	690	1	3,080	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
70-04	12-Feb-24	45334	14	1	620	1	3,020	1
70-04	14-May-24	45426	17	1	660	1	3,000	1
70-04	20-Aug-24	45524	23	1	570	1	2,700	1
70-04	12-Nov-24	45608	14	1	640	1	3,000	1
70-04	19-Feb-25	45707	12	1	630	1	2,900	1
74-01	12-Nov-15	42320	15.9	1	725	1	2,630	1
74-01	18-Feb-16	42418	32.1	1	763	1	2,840	1
74-01	25-May-16	42515	51.1	1	739	1	3,060	1
74-01	24-Aug-16	42606	60.2	1	1,000	1	3,690	1
74-01	14-Nov-16	42688	46.8	1	702	1	3,360	1
74-01	24-Feb-17	42790	35.2	1	799	1	3,060	1
74-01	26-May-17	42881	26.2	1	756	1	2,810	1
74-01	16-Aug-17	42963	56.7	1	1,030	1	3,590	1
74-01	14-Nov-17	43053	41.5	1	871	1	3,100	1
74-01	19-Feb-18	43150	49	1	960	1	3,290	1
74-01	23-May-18	43243	34	1	790	1	3,140	1
74-01	29-Aug-18	43341	64	1	1,100	1	3,000	1
74-01	16-Nov-18	43420	65	1	1,100	1	3,820	1
74-01	28-Feb-19	43524	52	1	930	1	3,460	1
74-01	21-May-19	43606	39	1	850	1	3,110	1
74-01	14-Aug-19	43691	24	1	820	1	2,910	1
74-01	19-Nov-19	43788	68	1	1,100	1	3,960	1
74-01	14-Feb-20	43875	72	1	1,200	1	4,050	1
74-01	18-May-20	43969	66	1	1,100	1	3,570	1
74-01	21-Aug-20	44064	17	1	820	1	2,790	1
74-01	17-Nov-20	44152	5.9	1	1,200	1	9,800	1
74-01	22-Feb-21	44249	8.6	1	1,100	1	3,940	1
74-01	17-May-21	44333	11	1	980	1	3,590	1
74-01	7-Sep-21	44446	35	1	900	1	3,410	1
74-01	12-Nov-21	44512	17	1	880	1	3,130	1
74-01	22-Feb-22	44614	7.2	1	850	1	2,940	1
74-01	13-May-22	44694	15	1	780	1	3,020	1
74-01	16-Aug-22	44789	25	1	800	1	3,000	1
74-01	15-Nov-22	44880	27	1	800	1	2,980	1
74-01	17-Feb-23	44974	29	1	770	1	2,980	1
74-01	15-May-23	45061	43	1	770	1	2,950	1
74-01	18-Aug-23	45156	31	1	790	1	2,830	1
74-01	17-Nov-23	45247	30	1	820	1	2,830	1
74-01	19-Feb-24	45341	33	1	890	1	3,050	1
74-01	31-May-24	45443	3.9	1	870	1	3,100	1
74-01	28-Aug-24	45532	40	1	860	1	3,200	1
74-01	19-Nov-24	45615	30	1	910	1	4,100	1
74-01	26-Feb-25	45714	33	1	1,000	1	3,100	1
74-02	11-Nov-15	42319	22.5	1	562	1	2,120	1
74-02	18-Feb-16	42418	29.9	1	592	1	2,420	1
74-02	25-May-16	42515	40.7	1	593	1	2,480	1
74-02	24-Aug-16	42606	37.6	1	581	1	2,480	1
74-02	14-Nov-16	42688	34.4	1	603	1	2,440	1
74-02	24-Feb-17	42790	33.4	1	587	1	2,240	1
74-02	25-May-17	42880	25.6	1	548	1	2,470	1
74-02	15-Aug-17	42962	23.5	1	539	1	2,100	1
74-02	14-Nov-17	43053	23.5	1	521	1	2,110	1
74-02	15-Feb-18	43146	26	1	640	1	2,260	1
74-02	23-May-18	43243	33	1	560	1	2,360	1
74-02	23-Aug-18	43335	27	1	490	1	2,220	1
74-02	15-Nov-18	43419	31	1	550	1	2,230	1
74-02	28-Feb-19	43524	36	1	560	1	2,400	1
74-02	21-May-19	43606	37	1	600	1	2,380	1
74-02	14-Aug-19	43691	38	1	560	1	2,310	1
74-02	19-Nov-19	43788	37	1	640	1	2,630	1
74-02	14-Feb-20	43875	43	1	640	1	2,540	1
74-02	15-May-20	43966	43	1	610	1	2,430	1
74-02	21-Aug-20	44064	44	1	600	1	2,410	1
74-02	17-Nov-20	44152	30	1	510	1	18,900	1
74-02	22-Feb-21	44249	<1.0	0	650	1	9,470	1
74-02	14-May-21	44330	<1.0	0	650	1	3,220	1
74-02	7-Sep-21	44446	<0.50	0	690	1	2,550	1
74-02	11-Nov-21	44511	<1.0	0	600	1	2,470	1
74-02	22-Feb-22	44614	<1.0	0	650	1	2,360	1
74-02	13-May-22	44694	<1.0	0	630	1	2,430	1
74-02	15-Aug-22	44788	<0.50	0	680	1	2,480	1
74-02	14-Nov-22	44879	<1.0	0	620	1	2,460	1
74-02	17-Feb-23	44974	4.3	1	670	1	2,440	1
74-02	12-May-23	45058	1.3	1	650	1	2,500	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
74-02	18-Aug-23	45156	<1.0	0	650	1	2,540	1
74-02	17-Nov-23	45247	7.8	1	850	1	3,010	1
74-02	16-Feb-24	45338	11	1	890	1	3,250	1
74-02	31-May-24	45443	7.5	1	670	1	2,800	1
74-02	26-Aug-24	45530	4.3	1	860	1	3,400	1
74-02	18-Nov-24	45614	8.5	1	1,200	1	3,700	1
74-02	25-Feb-25	45713	10	1	1,400	1	3,900	1
74-03	12-Nov-15	42320	<0.194	0	1,000	1	3,480	1
74-03	18-Feb-16	42418	<0.194	0	804	1	2,920	1
74-03	25-May-16	42515	0.646	1	693	1	2,780	1
74-03	24-Aug-16	42606	3.36	1	728	1	2,590	1
74-03	14-Nov-16	42688	1.25	1	654	1	2,500	1
74-03	24-Feb-17	42790	0.209	1	668	1	2,520	1
74-03	25-May-17	42880	0.941	1	641	1	2,640	1
74-03	15-Aug-17	42962	0.187	1	514	1	2,150	1
74-03	14-Nov-17	43053	1.21	1	548	1	2,340	1
74-03	15-Feb-18	43146	1.4	1	530	1	2,100	1
74-03	23-May-18	43243	1.4	1	430	1	2,000	1
74-03	23-Aug-18	43335	1.2	1	360	1	1,900	1
74-03	15-Nov-18	43419	1.0	1	300	1	1,760	1
74-03	28-Feb-19	43524	<1.0	0	250	1	1,550	1
74-03	21-May-19	43606	<1.0	0	260	1	1,390	1
74-03	14-Aug-19	43691	<1.0	0	260	1	1,520	1
74-03	19-Nov-19	43788	<1.0	0	230	1	1,550	1
74-03	14-Feb-20	43875	<1.0	0	260	1	1,510	1
74-03	15-May-20	43966	<1.0	0	260	1	1,570	1
74-03	19-Aug-20	44062	<1.0	0	240	1	1,570	1
74-03	17-Nov-20	44152	<0.50	0	250	1	1,460	1
74-03	22-Feb-21	44249	<1.0	0	260	1	1,500	1
74-03	14-May-21	44330	<1.0	0	250	1	1,440	1
74-03	27-Aug-21	44435	<1.0	0	240	1	1,570	1
74-03	11-Nov-21	44511	<1.0	0	230	1	1,420	1
74-03	22-Feb-22	44614	<1.0	0	250	1	1,340	1
74-03	13-May-22	44694	<1.0	0	200	1	1,240	1
74-03	15-Aug-22	44788	0.61	1	240	1	1,360	1
74-03	14-Nov-22	44879	1.2	1	220	1	1,490	1
74-03	17-Feb-23	44974	2.7	1	300	1	1,690	1
74-03	12-May-23	45058	<1.0	0	250	1	1,670	1
74-03	18-Aug-23	45156	<1.0	0	210	1	1,260	1
74-03	17-Nov-23	45247	<1.0	0	220	1	1,650	1
74-03	16-Feb-24	45338	1.2	1	230	1	1,800	1
74-03	31-May-24	45443	<1.0	0	230	1	1,800	1
74-03	26-Aug-24	45530	<2.0	0	250	1	1,800	1
74-03	18-Nov-24	45614	<2.0	0	220	1	1,500	1
74-03	25-Feb-25	45713	<2.0	0	220	1	1,400	1
74-04	12-Nov-15	42320	13.5	1	584	1	2,040	1
74-04	18-Feb-16	42418	12.9	1	582	1	2,010	1
74-04	25-May-16	42515	20.0	1	530	1	2,060	1
74-04	25-Aug-16	42607	13.1	1	596	1	2,060	1
74-04	15-Nov-16	42689	11.3	1	551	1	2,070	1
74-04	24-Feb-17	42790	11.5	1	555	1	1,920	1
74-04	26-May-17	42881	18.6	1	516	1	1,910	1
74-04	16-Aug-17	42963	11.6	1	569	1	2,020	1
74-04	14-Nov-17	43053	10.6	1	532	1	1,840	1
74-04	19-Feb-18	43150	9.2	1	500	1	1,960	1
74-04	23-May-18	43243	12	1	580	1	2,060	1
74-04	31-Aug-18	43343	12	1	590	1	2,140	1
74-04	16-Nov-18	43420	12	1	620	1	2,140	1
74-04	1-Mar-19	43525	12	1	600	1	2,140	1
74-04	21-May-19	43606	15	1	490	1	1,890	1
74-04	14-Aug-19	43691	11	1	640	1	2,250	1
74-04	20-Nov-19	43789	12	1	630	1	2,180	1
74-04	14-Feb-20	43875	12	1	600	1	2,120	1
74-04	18-May-20	43969	10	1	470	1	1,670	1
74-04	21-Aug-20	44064	11	1	640	1	2,200	1
74-04	17-Nov-20	44152	<0.50	0	530	1	3,840	1
74-04	22-Feb-21	44249	11	1	690	1	2,140	1
74-04	17-May-21	44333	8.1	1	580	1	2,160	1
74-04	7-Sep-21	44446	<0.50	0	610	1	2,030	1
74-04	12-Nov-21	44512	12	1	620	1	2,280	1
74-04	23-Feb-22	44615	12	1	730	1	2,300	1
74-04	16-May-22	44697	11	1	590	1	2,080	1
74-04	16-Aug-22	44789	12	1	630	1	2,150	1
74-04	15-Nov-22	44880	16	1	580	1	2,170	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
74-04	21-Feb-23	44978	13	1	670	1	2,280	1
74-04	15-May-23	45061	12	1	460	1	1,830	1
74-04	21-Aug-23	45159	13	1	640	1	2,160	1
74-04	17-Nov-23	45247	10	1	680	1	2,270	1
74-04	19-Feb-24	45341	11	1	740	1	2,310	1
74-04	31-May-24	45443	10	1	630	1	2,200	1
74-04	29-Aug-24	45533	11	1	660	1	2,300	1
74-04	19-Nov-24	45615	10	1	690	1	3,000	1
74-04	26-Feb-25	45714	12	1	750	1	2,300	1
74-05	12-Nov-15	42320	15.4	1	561	1	2,020	1
74-05	18-Feb-16	42418	15.3	1	569	1	2,040	1
74-05	25-May-16	42515	15.6	1	533	1	2,010	1
74-05	25-Aug-16	42607	14.7	1	455	1	2,040	1
74-05	15-Nov-16	42689	12.0	1	560	1	2,020	1
74-05	24-Feb-17	42790	12.8	1	568	1	2,080	1
74-05	26-May-17	42881	13.4	1	590	1	2,140	1
74-05	16-Aug-17	42963	12.7	1	561	1	1,950	1
74-05	14-Nov-17	43053	12.0	1	539	1	1,860	1
74-05	19-Feb-18	43150	14	1	570	1	2,100	1
74-05	23-May-18	43243	14	1	580	1	2,110	1
74-05	29-Aug-18	43341	14	1	560	1	2,890	1
74-05	16-Nov-18	43420	14	1	560	1	2,070	1
74-05	1-Mar-19	43525	15	1	590	1	2,140	1
74-05	21-May-19	43606	15	1	580	1	2,160	1
74-05	13-Aug-19	43690	14	1	580	1	2,100	1
74-05	20-Nov-19	43789	14	1	540	1	2,080	1
74-05	14-Feb-20	43875	14	1	600	1	2,050	1
74-05	18-May-20	43969	15	1	650	1	2,160	1
74-05	21-Aug-20	44064	14	1	630	1	2,170	1
74-05	17-Nov-20	44152	<0.50	0	610	1	3,320	1
74-05	23-Feb-21	44250	6.3	1	690	1	2,210	1
74-05	17-May-21	44333	11	1	790	1	2,280	1
74-05	31-Aug-21	44439	14	1	670	1	2,160	1
74-05	15-Nov-21	44515	13	1	<0.50	0	2,200	1
74-05	23-Feb-22	44615	13	1	660	1	2,190	1
74-05	16-May-22	44697	15	1	680	1	2,210	1
74-05	16-Aug-22	44789	16	1	660	1	2,270	1
74-05	15-Nov-22	44880	15	1	580	1	2,230	1
74-05	21-Feb-23	44978	15	1	630	1	2,240	1
74-05	15-May-23	45061	20	1	600	1	2,170	1
74-05	21-Aug-23	45159	16	1	620	1	2,250	1
74-05	17-Nov-23	45247	16	1	630	1	2,200	1
74-05	19-Feb-24	45341	16	1	720	1	2,270	1
74-05	3-Jun-24	45446	16	1	650	1	2,300	1
74-05	29-Aug-24	45533	15	1	630	1	2,300	1
74-05	19-Nov-24	45615	32	1	660	1	2,700	1
74-05	26-Feb-25	45714	23	1	740	1	2,300	1
833-02	18-Nov-15	42326	74.5	1	1,300	1	4,240	1
833-02	22-Feb-16	42422	48.0	1	796	1	2,400	1
833-02	31-May-16	42521	79.9	1	1,400	1	4,440	1
833-02	29-Aug-16	42611	69.5	1	1,360	1	4,360	1
833-02	18-Nov-16	42692	68.5	1	1,340	1	4,210	1
833-02	28-Feb-17	42794	62.3	1	1,240	1	4,290	1
833-02	30-May-17	42885	71.2	1	1,340	1	4,380	1
833-02	1-Sep-17	42979	90.2	1	977	1	3,140	1
833-02	16-Nov-17	43055	66.4	1	1,300	1	3,730	1
833-02	21-Feb-18	43152	65	1	1,200	1	4,240	1
833-02	29-May-18	43249	63	1	1,300	1	4,210	1
833-02	31-Aug-18	43343	67	1	1,300	1	4,190	1
833-02	26-Nov-18	43430	62	1	1,300	1	4,240	1
833-02	4-Mar-19	43528	66	1	1,300	1	4,180	1
833-02	22-May-19	43607	68	1	1,400	1	4,230	1
833-02	14-Aug-19	43691	65	1	1,400	1	4,240	1
833-02	21-Nov-19	43790	100	1	1,000	1	3,520	1
833-02	17-Feb-20	43878	63	1	1,200	1	3,790	1
833-02	20-May-20	43971	81	1	950	1	3,180	1
833-02	24-Aug-20	44067	88	1	1,000	1	3,300	1
833-02	18-Nov-20	44153	89	1	1,100	1	3,960	1
833-02	24-Feb-21	44251	59	1	1,300	1	3,920	1
833-02	18-May-21	44334	67	1	1,400	1	4,280	1
833-02	17-Aug-21	44425	80	1	1,300	1	4,100	1
833-02	16-Nov-21	44516	41	1	1,300	1	3,920	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
833-02	24-Feb-22	44616	53	1	1,200	1	3,580	1
833-02	18-May-22	44699	36	1	1,400	1	4,030	1
833-02	17-Aug-22	44790	89	1	810	1	3,030	1
833-02	17-Nov-22	44882	72	1	930	1	3,280	1
833-02	22-Feb-23	44979	33	1	1,400	1	3,690	1
833-02	16-May-23	45062	37	1	1,300	1	3,760	1
833-02	22-Aug-23	45160	40	1	1,400	1	3,990	1
833-02	20-Nov-23	45250	35	1	1,400	1	4,080	1
833-02	20-Feb-24	45342	31	1	1,300	1	3,780	1
833-02	21-May-24	45433	72	1	1,100	1	3,400	1
833-02	30-Aug-24	45534	30	1	1,400	1	4,100	1
833-02	20-Nov-24	45616	31	1	1,400	1	5,000	1
833-02	27-Feb-25	45715	27	1	1,300	1	3,600	1
833-04	19-Nov-15	42327	11.8	1	762	1	2,310	1
833-04	22-Feb-16	42422	12.7	1	746	1	2,130	1
833-04	27-May-16	42517	21.6	1	781	1	2,660	1
833-04	29-Aug-16	42611	40.6	1	977	1	3,160	1
833-04	18-Nov-16	42692	39.8	1	586	1	3,300	1
833-04	1-Mar-17	42795	31.5	1	866	1	3,080	1
833-04	30-May-17	42885	32.0	1	880	1	3,000	1
833-04	31-Aug-17	42978	37.3	1	797	1	2,640	1
833-04	20-Nov-17	43059	32.6	1	902	1	2,930	1
833-04	20-Feb-18	43151	20	1	680	1	2,390	1
833-04	24-May-18	43244	34	1	910	1	3,010	1
833-04	4-Sep-18	43347	40	1	960	1	3,190	1
833-04	26-Nov-18	43430	42	1	950	1	3,230	1
833-04	4-Mar-19	43528	31	1	830	1	2,900	1
833-04	23-May-19	43608	29	1	800	1	2,800	1
833-04	15-Aug-19	43692	40	1	980	1	3,170	1
833-04	20-Nov-19	43789	31	1	840	1	2,800	1
833-04	17-Feb-20	43878	20	1	720	1	2,450	1
833-04	20-May-20	43971	18	1	670	1	2,290	1
833-04	24-Aug-20	44067	18	1	690	1	2,240	1
833-04	18-Nov-20	44153	22	1	620	1	2,510	1
833-04	23-Feb-21	44250	21	1	740	1	2,350	1
833-04	17-May-21	44333	20	1	680	1	2,410	1
833-04	17-Aug-21	44425	32	1	830	1	2,770	1
833-04	15-Nov-21	44515	24	1	940	1	2,830	1
833-04	24-Feb-22	44616	29	1	890	1	2,860	1
833-04	16-May-22	44697	36	1	950	1	3,000	1
833-04	17-Aug-22	44790	21	1	650	1	2,390	1
833-04	17-Nov-22	44882	35	1	820	1	2,870	1
833-04	21-Feb-23	44978	37	1	900	1	2,960	1
833-04	16-May-23	45062	29	1	790	1	2,650	1
833-04	22-Aug-23	45160	37	1	900	1	2,970	1
833-04	20-Nov-23	45250	35	1	930	1	3,060	1
833-04	20-Feb-24	45342	30	1	870	1	2,870	1
833-04	21-May-24	45433	28	1	820	1	2,800	1
833-04	29-Aug-24	45533	29	1	820	1	2,800	1
833-04	20-Nov-24	45616	31	1	930	1	3,500	1
833-04	27-Feb-25	45715	23	1	860	1	2,700	1
833-05	18-Nov-15	42326	20.9	1	958	1	2,720	1
833-05	19-Feb-16	42419	22.3	1	1,190	1	3,080	1
833-05	26-May-16	42516	20.7	1	1,080	1	3,120	1
833-05	29-Aug-16	42611	21.9	1	1,230	1	3,560	1
833-05	17-Nov-16	42691	22.4	1	1,330	1	3,560	1
833-05	1-Mar-17	42795	20.9	1	1,290	1	3,320	1
833-05	31-May-17	42886	25.9	1	1,260	1	3,540	1
833-05	31-Aug-17	42978	42.5	1	1,220	1	3,350	1
833-05	17-Nov-17	43056	51.7	1	931	1	3,330	1
833-05	22-Feb-18	43153	42	1	1,200	1	3,530	1
833-05	24-May-18	43244	46	1	1,100	1	3,350	1
833-05	31-Aug-18	43343	35	1	1,300	1	3,530	1
833-05	26-Nov-18	43430	45	1	1,200	1	3,530	1
833-05	5-Mar-19	43529	46	1	1,200	1	3,520	1
833-05	22-May-19	43607	29	1	1,300	1	3,430	1
833-05	15-Aug-19	43692	41	1	1,300	1	3,600	1
833-05	20-Nov-19	43789	35	1	1,300	1	3,500	1
833-05	17-Feb-20	43878	46	1	1,300	1	3,620	1
833-05	19-May-20	43970	19	1	1,100	1	3,180	1
833-05	25-Aug-20	44068	44	1	1,300	1	3,550	1
833-05	19-Nov-20	44154	46	1	1,200	1	3,460	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
833-05	25-Feb-21	44252	45	1	1,300	1	3,460	1
833-05	19-May-21	44335	32	1	1,100	1	3,460	1
833-05	17-Aug-21	44425	34	1	1,300	1	3,490	1
833-05	16-Nov-21	44516	41	1	1,200	1	3,510	1
833-05	10-Mar-22	44630	45	1	1,200	1	3,490	1
833-05	18-May-22	44699	32	1	1,200	1	3,500	1
833-05	18-Aug-22	44791	26	1	1,200	1	3,560	1
833-05	21-Nov-22	44886	28	1	1,100	1	3,190	1
833-05	23-Feb-23	44980	30	1	1,300	1	3,300	1
833-05	3-Jul-23	45110	24	1	1,000	1	3,120	1
833-05	23-Aug-23	45161	22	1	1,000	1	2,960	1
833-05	21-Nov-23	45251	21	1	1,000	1	3,000	1
833-05	22-Feb-24	45344	28	1	1,300	1	3,240	1
833-05	22-May-24	45434	24	1	1,300	1	3,400	1
833-05	30-Aug-24	45534	27	1	1,200	1	3,500	1
833-05	21-Nov-24	45617	30	1	1,300	1	3,200	1
833-05	28-Feb-25	45716	39	1	1,300	1	3,400	1
833-06	19-Nov-15	42327	51.1	1	752	1	2,560	1
833-06	22-Feb-16	42422	22.0	1	706	1	2,300	1
833-06	27-May-16	42517	28.8	1	711	1	2,380	1
833-06	26-Aug-16	42608	32.7	1	660	1	2,640	1
833-06	17-Nov-16	42691	43.2	1	809	1	2,680	1
833-06	1-Mar-17	42795	40.4	1	792	1	2,740	1
833-06	31-May-17	42886	39.9	1	800	1	2,560	1
833-06	1-Sep-17	42979	18.5	1	803	1	2,470	1
833-06	16-Nov-17	43055	16.9	1	786	1	2,300	1
833-06	22-Feb-18	43153	15	1	820	1	2,500	1
833-06	29-May-18	43249	11	1	740	1	2,260	1
833-06	4-Sep-18	43347	16	1	670	1	2,260	1
833-06	27-Nov-18	43431	24	1	820	1	2,660	1
833-06	5-Mar-19	43529	47	1	780	1	2,710	1
833-06	23-May-19	43608	47	1	840	1	2,740	1
833-06	15-Aug-19	43692	47	1	880	1	2,760	1
833-06	20-Nov-19	43789	43	1	810	1	2,660	1
833-06	17-Feb-20	43878	19	1	870	1	2,700	1
833-06	19-May-20	43970	44	1	820	1	2,790	1
833-06	24-Aug-20	44067	70	1	900	1	2,790	1
833-06	18-Nov-20	44153	53	1	760	1	2,800	1
833-06	23-Feb-21	44250	23	1	920	1	2,630	1
833-06	18-May-21	44334	46	1	800	1	2,820	1
833-06	17-Aug-21	44425	46	1	860	1	2,680	1
833-06	15-Nov-21	44515	50	1	820	1	2,850	1
833-06	23-Feb-22	44615	14	1	880	1	2,560	1
833-06	16-May-22	44697	44	1	890	1	2,840	1
833-06	17-Aug-22	44790	55	1	770	1	2,860	1
833-06	17-Nov-22	44882	38	1	850	1	2,610	1
833-06	21-Feb-23	44978	14	1	890	1	2,700	1
833-06	15-May-23	45061	44	1	820	1	2,740	1
833-06	21-Aug-23	45159	14	1	790	1	2,500	1
833-06	20-Nov-23	45250	15	1	770	1	2,350	1
833-06	20-Feb-24	45342	17	1	1,000	1	2,750	1
833-06	21-May-24	45433	50	1	960	1	2,900	1
833-06	29-Aug-24	45533	21	1	830	1	2,800	1
833-06	20-Nov-24	45616	19	1	960	1	3,500	1
833-06	26-Feb-25	45714	43	1	950	1	2,700	1
833-07	18-Nov-15	42326	91.0	1	1,130	1	4,150	1
833-07	18-Feb-16	42418	97.4	1	1,260	1	4,540	1
833-07	27-May-16	42517	100	1	1,230	1	4,620	1
833-07	29-Aug-16	42611	92.2	1	1,230	1	5,970	1
833-07	17-Nov-16	42691	85.3	1	1,180	1	4,180	1
833-07	1-Mar-17	42795	78.0	1	1,140	1	3,990	1
833-07	30-May-17	42885	83.3	1	1,120	1	4,080	1
833-07	31-Aug-17	42978	78.7	1	1,050	1	3,630	1
833-07	17-Nov-17	43056	68.2	1	808	1	3,540	1
833-07	22-Feb-18	43153	63	1	1,000	1	3,760	1
833-07	24-May-18	43244	74	1	1,000	1	3,670	1
833-07	31-Aug-18	43343	74	1	1,100	1	3,800	1
833-07	26-Nov-18	43430	70	1	1,100	1	3,630	1
833-07	4-Mar-19	43528	65	1	1,100	1	3,680	1
833-07	22-May-19	43607	69	1	1,100	1	3,760	1
833-07	15-Aug-19	43692	74	1	1,100	1	3,630	1
833-07	20-Nov-19	43789	74	1	1,100	1	3,680	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
833-07	17-Feb-20	43878	68	1	1,100	1	3,440	1
833-07	19-May-20	43970	67	1	1,000	1	3,830	1
833-07	25-Aug-20	44068	68	1	1,100	1	3,750	1
833-07	19-Nov-20	44154	62	1	970	1	3,670	1
833-07	24-Feb-21	44251	62	1	1,000	1	3,430	1
833-07	18-May-21	44334	65	1	1,000	1	3,680	1
833-07	18-Aug-21	44426	70	1	1,100	1	3,700	1
833-07	16-Nov-21	44516	67	1	1,000	1	3,790	1
833-07	10-Mar-22	44630	66	1	1,100	1	3,580	1
833-07	18-May-22	44699	92	1	1,100	1	4,170	1
833-07	18-Aug-22	44791	91	1	1,200	1	4,420	1
833-07	18-Nov-22	44883	63	1	1,200	1	3,950	1
833-07	22-Feb-23	44979	70	1	1,200	1	3,730	1
833-07	16-May-23	45062	92	1	1,300	1	4,450	1
833-07	23-Aug-23	45161	96	1	1,400	1	4,620	1
833-07	21-Nov-23	45251	77	1	1,300	1	4,020	1
833-07	22-Feb-24	45344	86	1	1,400	1	4,120	1
833-07	30-May-24	45442	100	1	1,400	1	4,600	1
833-07	30-Aug-24	45534	68	1	1,200	1	4,100	1
833-07	21-Nov-24	45617	85	1	1,300	1	4,000	1
833-07	28-Feb-25	45716	82	1	1,300	1	3,900	1
833-08	18-Nov-15	42326	56.9	1	533	1	2,010	1
833-08	19-Feb-16	42419	52.9	1	1,140	1	3,020	1
833-08	27-May-16	42517	46.5	1	1,010	1	3,080	1
833-08	29-Aug-16	42611	25.6	1	1,150	1	3,310	1
833-08	18-Nov-16	42692	48.3	1	1,020	1	3,720	1
833-08	1-Mar-17	42795	70.3	1	960	1	3,350	1
833-08	31-May-17	42886	67.6	1	984	1	3,230	1
833-08	1-Sep-17	42979	52.3	1	917	1	3,250	1
833-08	17-Nov-17	43056	54.3	1	631	1	2,970	1
833-08	22-Feb-18	43153	48	1	890	1	3,030	1
833-08	24-May-18	43244	52	1	840	1	2,980	1
833-08	4-Sep-18	43347	46	1	830	1	2,820	1
833-08	27-Nov-18	43431	47	1	860	1	2,950	1
833-08	5-Mar-19	43529	48	1	890	1	3,040	1
833-08	23-May-19	43608	43	1	900	1	2,980	1
833-08	14-Aug-19	43691	46	1	880	1	3,010	1
833-08	20-Nov-19	43789	43	1	850	1	2,930	1
833-08	17-Feb-20	43878	49	1	990	1	3,110	1
833-08	19-May-20	43970	38	1	820	1	2,860	1
833-08	24-Aug-20	44067	21	1	880	1	2,650	1
833-08	18-Nov-20	44153	32	1	850	1	3,450	1
833-08	24-Feb-21	44251	36	1	1,300	1	4,010	1
833-08	18-May-21	44334	35	1	1,200	1	3,540	1
833-08	18-Aug-21	44426	11	1	730	1	2,360	1
833-08	16-Nov-21	44516	46	1	1,100	1	3,590	1
833-08	10-Mar-22	44630	45	1	1,600	1	4,200	1
833-08	18-May-22	44699	45	1	1,200	1	3,740	1
833-08	18-Aug-22	44791	47	1	1,200	1	3,650	1
833-08	18-Nov-22	44883	25	1	1,100	1	2,990	1
833-08	22-Feb-23	44979	30	1	1,300	1	3,160	1
833-08	16-May-23	45062	49	1	1,100	1	3,210	1
833-08	22-Aug-23	45160	67	1	1,000	1	3,300	1
833-08	21-Nov-23	45251	67	1	1,100	1	3,460	1
833-08	20-Feb-24	45342	64	1	1,100	1	3,340	1
833-08	22-May-24	45434	45	1	980	1	2,800	1
833-08	29-Aug-24	45533	58	1	970	1	3,300	1
833-08	21-Nov-24	45617	68	1	1,200	1	3,400	1
833-08	27-Feb-25	45715	71	1	1,200	1	3,500	1
833-09	18-Nov-15	42326	109	1	902	1	3,860	1
833-09	19-Feb-16	42419	112	1	942	1	3,880	1
833-09	26-May-16	42516	71.8	1	726	1	3,510	1
833-09	26-Aug-16	42608	63.3	1	793	1	3,440	1
833-09	17-Nov-16	42691	64.9	1	763	1	3,410	1
833-09	28-Feb-17	42794	65.6	1	779	1	3,440	1
833-09	30-May-17	42885	59.2	1	799	1	3,410	1
833-09	31-Aug-17	42978	51.5	1	701	1	3,190	1
833-09	16-Nov-17	43055	59.0	1	1,190	1	2,740	1
833-09	21-Feb-18	43152	55	1	730	1	3,200	1
833-09	24-May-18	43244	43	1	770	1	3,110	1
833-09	4-Sep-18	43347	43	1	810	1	3,140	1
833-09	26-Nov-18	43430	42	1	790	1	3,140	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
833-09	4-Mar-19	43528	45	1	760	1	3,130	1
833-09	22-May-19	43607	26	1	790	1	2,930	1
833-09	14-Aug-19	43691	32	1	790	1	3,030	1
833-09	21-Nov-19	43790	33	1	750	1	3,110	1
833-09	18-Feb-20	43879	36	1	800	1	3,100	1
833-09	19-May-20	43970	23	1	760	1	2,870	1
833-09	25-Aug-20	44068	24	1	790	1	2,970	1
833-09	19-Nov-20	44154	21	1	800	1	2,750	1
833-09	25-Feb-21	44252	21	1	750	1	2,740	1
833-09	19-May-21	44335	19	1	690	1	2,760	1
833-09	18-Aug-21	44426	150	1	1,100	1	4,340	1
833-09	17-Nov-21	44517	110	1	800	1	3,990	1
833-09	10-Mar-22	44630	120	1	910	1	4,160	1
833-09	19-May-22	44700	190	1	1,000	1	4,700	1
833-09	18-Aug-22	44791	190	1	980	1	5,040	1
833-09	21-Nov-22	44886	130	1	840	1	4,260	1
833-09	23-Feb-23	44980	100	1	850	1	4,160	1
833-09	17-May-23	45063	110	1	850	1	4,100	1
833-09	23-Aug-23	45161	64	1	780	1	3,560	1
833-09	27-Nov-23	45257	64	1	830	1	3,500	1
833-09	22-Feb-24	45344	68	1	840	1	3,510	1
833-09	30-May-24	45442	68	1	830	1	3,600	1
833-09	30-Aug-24	45534	51	1	780	1	3,200	1
833-09	22-Nov-24	45618	42	1	800	1	3,200	1
833-09	28-Feb-25	45716	46	1	750	1	3,100	1
833-10	18-Nov-15	42326	2.69	1	660	1	2,580	1
833-10	19-Feb-16	42419	2.50	1	691	1	2,550	1
833-10	26-May-16	42516	4.22	1	637	1	2,680	1
833-10	26-Aug-16	42608	4.38	1	677	1	2,660	1
833-10	17-Nov-16	42691	4.64	1	534	1	2,620	1
833-10	1-Mar-17	42795	3.90	1	639	1	2,670	1
833-10	30-May-17	42885	3.83	1	650	1	2,560	1
833-10	31-Aug-17	42978	6.75	1	606	1	2,430	1
833-10	16-Nov-17	43055	5.74	1	613	1	2,060	1
833-10	22-Feb-18	43153	3.5	1	630	1	2,480	1
833-10	24-May-18	43244	3.6	1	610	1	2,510	1
833-10	31-Aug-18	43343	3.3	1	600	1	2,540	1
833-10	26-Nov-18	43430	2.6	1	620	1	2,520	1
833-10	4-Mar-19	43528	1.8	1	580	1	2,520	1
833-10	22-May-19	43607	1.8	1	640	1	2,560	1
833-10	14-Aug-19	43691	2.0	1	660	1	2,560	1
833-10	21-Nov-19	43790	1.5	1	630	1	2,630	1
833-10	18-Feb-20	43879	<1.0	0	680	1	2,630	1
833-10	20-May-20	43971	<1.0	0	700	1	2,690	1
833-10	25-Aug-20	44068	<1.0	0	710	1	2,710	1
833-10	19-Nov-20	44154	<1.0	0	730	1	2,650	1
833-10	25-Feb-21	44252	<1.0	0	710	1	2,590	1
833-10	19-May-21	44335	<1.0	0	700	1	2,750	1
833-10	18-Aug-21	44426	1.3	1	730	1	2,750	1
833-10	17-Nov-21	44517	1.2	1	750	1	2,800	1
833-10	28-Feb-22	44620	1.0	1	890	1	2,830	1
833-10	19-May-22	44700	1.5	1	740	1	2,870	1
833-10	19-Aug-22	44792	1.7	1	730	1	2,830	1
833-10	21-Nov-22	44886	1.6	1	680	1	2,830	1
833-10	23-Feb-23	44980	1.5	1	730	1	2,790	1
833-10	17-May-23	45063	2.2	1	700	1	2,790	1
833-10	24-Aug-23	45162	3.4	1	680	1	2,740	1
833-10	27-Nov-23	45257	3.2	1	710	1	2,770	1
833-10	22-Feb-24	45344	3.0	1	760	1	2,750	1
833-10	30-May-24	45442	2.2	1	680	1	2,700	1
833-10	3-Sep-24	45538	2.0	1	640	1	2,700	1
833-10	22-Nov-24	45618	1.6	1	670	1	2,400	1
833-10	28-Feb-25	45716	1.1	1	680	1	2,600	1
86/340-01	10-Nov-15	42318	11.7	1	421	1	2,260	1
86/340-01	15-Feb-16	42415	12.9	1	422	1	2,300	1
86/340-01	19-May-16	42509	11.2	1	421	1	2,220	1
86/340-01	23-Aug-16	42605	12.1	1	408	1	2,210	1
86/340-01	10-Nov-16	42684	11.6	1	384	1	2,200	1
86/340-01	16-Feb-17	42782	13.1	1	387	1	2,240	1
86/340-01	18-May-17	42873	13.4	1	445	1	2,410	1
86/340-01	11-Aug-17	42958	11.9	1	338	1	2,030	1
86/340-01	9-Nov-17	43048	10.5	1	293	1	1,670	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
86/340-01	12-Feb-18	43143	9.6	1	300	1	1,920	1
86/340-01	21-May-18	43241	8.3	1	240	1	1,890	1
86/340-01	14-Aug-18	43326	7.4	1	230	1	1,890	1
86/340-01	16-Nov-18	43420	7.0	1	240	1	1,900	1
86/340-01	25-Feb-19	43521	7.0	1	250	1	1,910	1
86/340-01	16-May-19	43601	7.5	1	260	1	1,930	1
86/340-01	7-Aug-19	43684	5.9	1	240	1	1,940	1
86/340-01	15-Nov-19	43784	5.0	1	210	1	2,010	1
86/340-01	7-Feb-20	43868	4.7	1	230	1	1,990	1
86/340-01	18-May-20	43969	5.1	1	250	1	2,010	1
86/340-01	13-Aug-20	44056	3.6	1	220	1	2,030	1
86/340-01	11-Nov-20	44146	3.4	1	200	1	2,080	1
86/340-01	15-Feb-21	44242	2.9	1	240	1	2,120	1
86/340-01	6-May-21	44322	3.2	1	230	1	1,890	1
86/340-01	9-Aug-21	44417	2.8	1	240	1	2,190	1
86/340-01	4-Nov-21	44504	3.1	1	260	1	2,190	1
86/340-01	14-Feb-22	44606	3.2	1	230	1	2,170	1
86/340-01	5-May-22	44686	3.1	1	220	1	2,150	1
86/340-01	8-Aug-22	44781	3.4	1	240	1	2,190	1
86/340-01	7-Nov-22	44872	2.9	1	230	1	2,190	1
86/340-01	8-Feb-23	44965	3.2	1	260	1	2,210	1
86/340-01	5-May-23	45051	2.9	1	270	1	2,220	1
86/340-01	8-Aug-23	45146	2.5	1	260	1	2,280	1
86/340-01	8-Nov-23	45238	2.3	1	260	1	2,250	1
86/340-01	9-Feb-24	45331	3.0	1	260	1	2,160	1
86/340-01	13-May-24	45425	3.0	1	270	1	2,200	1
86/340-01	19-Aug-24	45523	2.5	1	240	1	2,300	1
86/340-01	11-Nov-24	45607	2.9	1	280	1	2,300	1
86/340-01	18-Feb-25	45706	3.2	1	280	1	2,300	1
DAD-01	23-Nov-15	42331	4.17	1	491	1	1,680	1
DAD-01	25-Feb-16	42425	2.70	1	512	1	1,770	1
DAD-01	2-Jun-16	42523	3.27	1	457	1	1,730	1
DAD-01	6-Sep-16	42619	5.35	1	502	1	1,580	1
DAD-01	30-Nov-16	42704	5.19	1	482	1	1,690	1
DAD-01	7-Mar-17	42801	7.90	1	438	1	1,620	1
DAD-01	8-Jun-17	42894	17.0	1	354	1	1,600	1
DAD-01	24-Aug-17	42971	10.4	1	396	1	1,560	1
DAD-01	20-Nov-17	43059	9.46	1	400	1	1,500	1
DAD-01	26-Feb-18	43157	9.5	1	350	1	1,520	1
DAD-01	31-May-18	43251	15	1	250	1	1,310	1
DAD-01	24-Aug-18	43336	15	1	280	1	1,350	1
DAD-01	28-Nov-18	43432	12	1	320	1	1,430	1
DAD-01	5-Mar-19	43529	11	1	350	1	1,690	1
DAD-01	22-May-19	43607	13	1	300	1	1,420	1
DAD-01	19-Aug-19	43696	12	1	290	1	1,520	1
DAD-01	3-Dec-19	43802	12	1	360	1	1,500	1
DAD-01	21-Feb-20	43882	13	1	420	1	1,740	1
DAD-01	29-May-20	43980	15	1	310	1	1,420	1
DAD-01	27-Aug-20	44070	16	1	310	1	1,390	1
DAD-01	30-Nov-20	44165	16	1	430	1	1,640	1
DAD-01	1-Mar-21	44256	18	1	410	1	1,660	1
DAD-01	1-Jun-21	44348	19	1	340	1	1,510	1
DAD-01	25-Aug-21	44433	20	1	350	1	1,520	1
DAD-01	23-Nov-21	44523	18	1	380	1	819	1
DAD-01	3-Mar-22	44623	20	1	420	1	1,750	1
DAD-01	24-May-22	44705	16	1	370	1	1,530	1
DAD-01	24-Aug-22	44797	10	1	360	1	1,520	1
DAD-01	1-Dec-22	44896	12	1	420	1	1,520	1
DAD-01	2-Mar-23	44987	16	1	470	1	1,690	1
DAD-01	25-May-23	45071	13	1	370	1	1,460	1
DAD-01	30-Aug-23	45168	13	1	390	1	1,310	1
DAD-01	5-Dec-23	45265	11	1	360	1	1,450	1
DAD-01	1-Mar-24	45352	11	1	420	1	1,520	1
DAD-01	6-Jun-24	45449	11	1	320	1	1,400	1
DAD-01	9-Sep-24	45544	7.8	1	380	1	1,300	1
DAD-01	4-Dec-24	45630	7.0	1	260	1	1,100	1
DAD-01	7-Mar-25	45723	8.9	1	310	1	1,200	1
DAD-02	23-Nov-15	42331	10.3	1	493	1	1,600	1
DAD-02	25-Feb-16	42425	10.7	1	520	1	1,480	1
DAD-02	2-Jun-16	42523	9.45	1	467	1	1,470	1
DAD-02	6-Sep-16	42619	9.10	1	500	1	1,460	1
DAD-02	30-Nov-16	42704	10.1	1	506	1	1,610	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-02	7-Mar-17	42801	11.5	1	522	1	1,650	1
DAD-02	8-Jun-17	42894	11.3	1	473	1	1,570	1
DAD-02	24-Aug-17	42971	11.4	1	479	1	1,580	1
DAD-02	20-Nov-17	43059	11.7	1	534	1	1,500	1
DAD-02	26-Feb-18	43157	10	1	490	1	1,640	1
DAD-02	31-May-18	43251	9.4	1	430	1	1,570	1
DAD-02	24-Aug-18	43336	11	1	390	1	1,440	1
DAD-02	28-Nov-18	43432	10	1	350	1	1,410	1
DAD-02	5-Mar-19	43529	7.6	1	290	1	1,350	1
DAD-02	22-May-19	43607	7.8	1	280	1	1,220	1
DAD-02	19-Aug-19	43696	8.3	1	270	1	1,140	1
DAD-02	4-Dec-19	43803	8.9	1	260	1	1,180	1
DAD-02	21-Feb-20	43882	8.9	1	250	1	1,240	1
DAD-02	29-May-20	43980	8.5	1	230	1	1,070	1
DAD-02	28-Aug-20	44071	8.1	1	250	1	1,110	1
DAD-02	1-Dec-20	44166	9.0	1	250	1	1,090	1
DAD-02	2-Mar-21	44257	9.4	1	240	1	1,110	1
DAD-02	3-Jun-21	44350	8.7	1	230	1	1,070	1
DAD-02	26-Aug-21	44434	8.8	1	250	1	1,090	1
DAD-02	30-Nov-21	44530	9.0	1	270	1	1,140	1
DAD-02	16-Mar-22	44636	8.8	1	300	1	1,230	1
DAD-02	25-May-22	44706	9.5	1	310	1	1,280	1
DAD-02	26-Aug-22	44799	9.6	1	350	1	1,540	1
DAD-02	5-Dec-22	44900	8.7	1	380	1	1,560	1
DAD-02	3-Mar-23	44988	9.2	1	400	1	1,480	1
DAD-02	26-May-23	45072	8.4	1	460	1	1,610	1
DAD-02	5-Sep-23	45174	6.9	1	610	1	2,070	1
DAD-02	6-Dec-23	45266	6.5	1	670	1	2,290	1
DAD-02	4-Mar-24	45355	6.4	1	700	1	2,200	1
DAD-02	7-Jun-24	45450	5.8	1	740	1	2,200	1
DAD-02	10-Sep-24	45545	5.4	1	710	1	2,300	1
DAD-02	11-Mar-25	45727	5.9	1	750	1	2,300	1
DAD-03	23-Nov-15	42331	<0.194	0	603	1	2,440	1
DAD-03	25-Feb-16	42425	<0.305	0	558	1	2,340	1
DAD-03	2-Jun-16	42523	<0.305	0	540	1	2,410	1
DAD-03	6-Sep-16	42619	<0.305	0	289	1	2,520	1
DAD-03	30-Nov-16	42704	0.874	1	647	1	2,820	1
DAD-03	7-Mar-17	42801	0.251	1	589	1	2,570	1
DAD-03	8-Jun-17	42894	0.150	1	454	1	2,110	1
DAD-03	24-Aug-17	42971	0.0823	1	440	1	2,240	1
DAD-03	20-Nov-17	43059	0.2220	1	446	1	2,060	1
DAD-03	26-Feb-18	43157	<1.0	0	360	1	2,220	1
DAD-03	31-May-18	43251	<1.0	0	370	1	1,930	1
DAD-03	24-Aug-18	43336	<1.0	0	350	1	2,520	1
DAD-03	28-Nov-18	43432	<1.0	0	320	1	2,110	1
DAD-03	5-Mar-19	43529	<1.0	0	330	1	2,180	1
DAD-03	22-May-19	43607	<1.0	0	390	1	2,050	1
DAD-03	19-Aug-19	43696	<1.0	0	330	1	2,140	1
DAD-03	4-Dec-19	43803	<1.0	0	320	1	1,880	1
DAD-03	21-Feb-20	43882	<1.0	0	300	1	2,090	1
DAD-03	1-Jun-20	43983	<1.0	0	300	1	1,530	1
DAD-03	31-Aug-20	44074	<1.0	0	300	1	1,620	1
DAD-03	1-Dec-20	44166	<1.0	0	270	1	1,530	1
DAD-03	2-Mar-21	44257	<1.0	0	290	1	1,560	1
DAD-03	3-Jun-21	44350	<1.0	0	310	1	1,660	1
DAD-03	26-Aug-21	44434	<1.0	0	410	1	1,980	1
DAD-03	1-Dec-21	44531	<1.0	0	340	1	2,070	1
DAD-03	16-Mar-22	44636	<1.0	0	330	1	2,070	1
DAD-03	26-May-22	44707	<1.0	0	330	1	2,330	1
DAD-03	26-Aug-22	44799	<1.0	0	350	1	1,700	1
DAD-03	5-Dec-22	44900	<1.0	0	290	1	1,610	1
DAD-03	6-Mar-23	44991	<1.0	0	360	1	1,780	1
DAD-03	26-May-23	45072	<1.0	0	310	1	1,770	1
DAD-03	5-Sep-23	45174	<1.0	0	290	1	2,070	1
DAD-03	7-Dec-23	45267	<1.0	0	310	1	1,580	1
DAD-03	4-Mar-24	45355	<2.0	0	300	1	1,800	1
DAD-03	10-Jun-24	45453	<1.0	0	280	1	1,700	1
DAD-03	10-Sep-24	45545	<1.0	0	290	1	2,100	1
DAD-03	11-Mar-25	45727	<1.0	0	360	1	1,800	1
DAD-04	23-Nov-15	42331	0.0853	1	443	1	1,690	1
DAD-04	25-Feb-16	42425	<0.305	0	434	1	1,730	1
DAD-04	2-Jun-16	42523	0.633	1	547	1	2,060	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-04	6-Sep-16	42619	<0.305	0	497	1	1,830	1
DAD-04	2-Dec-16	42706	1.46	1	343	1	2,040	1
DAD-04	7-Mar-17	42801	0.257	1	317	1	1,760	1
DAD-04	8-Jun-17	42894	0.133	1	349	1	1,800	1
DAD-04	24-Aug-17	42971	0.109	1	380	1	1,920	1
DAD-04	20-Nov-17	43059	0.314	1	32.3	1	900	1
DAD-04	26-Feb-18	43157	<1.0	0	230	1	1,520	1
DAD-04	31-May-18	43251	<1.0	0	280	1	1,710	1
DAD-04	24-Aug-18	43336	<1.0	0	300	1	1,700	1
DAD-04	28-Nov-18	43432	<1.0	0	350	1	1,770	1
DAD-04	5-Mar-19	43529	<1.0	0	340	1	1,820	1
DAD-04	23-May-19	43608	<1.0	0	330	1	1,720	1
DAD-04	19-Aug-19	43696	<1.0	0	320	1	1,770	1
DAD-04	4-Dec-19	43803	<1.0	0	330	1	2,020	1
DAD-04	21-Feb-20	43882	<1.0	0	320	1	1,950	1
DAD-04	1-Jun-20	43983	<1.0	0	320	1	1,940	1
DAD-04	31-Aug-20	44074	<1.0	0	330	1	2,000	1
DAD-04	2-Dec-20	44167	4.4	1	310	1	2,120	1
DAD-04	2-Mar-21	44257	1.4	1	340	1	2,270	1
DAD-04	3-Jun-21	44350	5.0	1	380	1	2,300	1
DAD-04	31-Aug-21	44439	7.5	1	450	1	2,390	1
DAD-04	1-Dec-21	44531	2.1	1	470	1	2,190	1
DAD-04	16-Mar-22	44636	2.3	1	500	1	2,510	1
DAD-04	26-May-22	44707	1.1	1	150	1	1,340	1
DAD-04	31-Aug-22	44804	<1.0	0	80	1	826	1
DAD-04	6-Dec-22	44901	<1.0	0	400	1	2,020	1
DAD-04	6-Sep-23	45175	<1.0	0	390	1	2,240	1
DAD-04	7-Dec-23	45267	<1.0	0	410	1	2,130	1
DAD-04	5-Mar-24	45356	<2.0	0	410	1	2,200	1
DAD-04	10-Jun-24	45453	3.9	1	420	1	2,300	1
DAD-04	11-Sep-24	45546	5.6	1	420	1	2,500	1
DAD-04	11-Mar-25	45727	<1.0	0	500	1	2,500	1
DAD-05	23-Nov-15	42331	<0.194	0	493	1	2,100	1
DAD-05	25-Feb-16	42425	9.43	1	654	1	2,660	1
DAD-05	2-Jun-16	42523	5.26	1	611	1	2,710	1
DAD-05	6-Sep-16	42619	5.00	1	614	1	2,480	1
DAD-05	2-Dec-16	42706	2.70	1	653	1	2,840	1
DAD-05	7-Mar-17	42801	8.37	1	434	1	2,150	1
DAD-05	8-Jun-17	42894	1.56	1	722	1	2,850	1
DAD-05	25-Aug-17	42972	8.77	1	459	1	1,970	1
DAD-05	27-Nov-17	43066	2.31	1	721	1	2,720	1
DAD-05	26-Feb-18	43157	<1.0	0	660	1	2,720	1
DAD-05	31-May-18	43251	<1.0	0	720	1	2,750	1
DAD-05	24-Aug-18	43336	<1.0	0	650	1	2,820	1
DAD-05	29-Nov-18	43433	2.2	1	570	1	2,570	1
DAD-05	5-Mar-19	43529	2.0	1	370	1	2,260	1
DAD-05	23-May-19	43608	1.9	1	460	1	2,190	1
DAD-05	22-Aug-19	43699	<1.0	0	400	1	1,930	1
DAD-05	5-Dec-19	43804	<1.0	0	260	1	1,550	1
DAD-05	21-Feb-20	43882	<1.0	0	390	1	2,030	1
DAD-05	1-Jun-20	43983	<1.0	0	290	1	1,550	1
DAD-05	31-Aug-20	44074	1.6	1	220	1	1,370	1
DAD-05	2-Dec-20	44167	<1.0	0	290	1	1,660	1
DAD-05	4-Mar-21	44259	<1.0	0	310	1	1,630	1
DAD-05	7-Jun-21	44354	<1.0	0	370	1	1,890	1
DAD-05	2-Sep-21	44441	14	1	410	1	2,370	1
DAD-05	6-Dec-21	44536	<1.0	0	400	1	1,950	1
DAD-05	17-Mar-22	44637	<1.0	0	310	1	1,840	1
DAD-05	31-May-22	44712	<1.0	0	300	1	1,610	1
DAD-05	12-Sep-22	44816	<1.0	0	82	1	785	1
DAD-05	8-Dec-22	44903	<1.0	0	100	1	900	1
DAD-05	8-Mar-23	44993	<1.0	0	110	1	830	1
DAD-05	1-Jun-23	45078	<1.0	0	120	1	785	1
DAD-05	11-Sep-23	45180	<1.0	0	97	1	872	1
DAD-05	12-Dec-23	45272	<1.0	0	180	1	1,180	1
DAD-05	7-Mar-24	45358	<1.0	0	310	1	1,300	1
DAD-05	12-Jun-24	45455	<2.0	0	280	1	1,400	1
DAD-05	16-Sep-24	45551	<1.0	0	160	1	910	1
DAD-05	13-Mar-25	45729	<1.0	0	360	1	1,400	1
DAD-06R	6-Dec-22	44901	3.9	1	100	1	696	1
DAD-06R	7-Mar-23	44992	4.5	1	88	1	610	1
DAD-06R	30-May-23	45076	6.4	1	84	1	580	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-06R	6-Sep-23	45175	6.3	1	110	1	726	1
DAD-06R	8-Dec-23	45268	9.6	1	98	1	347	1
DAD-06R	5-Mar-24	45356	8.4	1	100	1	690	1
DAD-06R	11-Jun-24	45454	11	1	93	1	680	1
DAD-06R	12-Sep-24	45547	13	1	98	1	710	1
DAD-06R	6-Dec-24	45632	15	1	97	1	720	1
DAD-06R	12-Mar-25	45728	13	1	110	1	700	1
DAD-07	30-Nov-15	42338	6.82	1	638	1	2,020	1
DAD-07	1-Mar-16	42430	5.27	1	609	1	2,020	1
DAD-07	8-Jun-16	42529	4.87	1	526	1	1,820	1
DAD-07	7-Sep-16	42620	5.50	1	583	1	1,940	1
DAD-07	5-Dec-16	42709	4.97	1	467	1	1,820	1
DAD-07	10-Mar-17	42804	6.07	1	480	1	1,800	1
DAD-07	6-Jun-17	42892	7.69	1	529	1	2,030	1
DAD-07	28-Aug-17	42975	11.2	1	576	1	2,040	1
DAD-07	28-Nov-17	43067	12.3	1	701	1	2,160	1
DAD-07	27-Feb-18	43158	12	1	740	1	2,530	1
DAD-07	1-Jun-18	43252	12	1	540	1	2,260	1
DAD-07	27-Aug-18	43339	12	1	500	1	2,060	1
DAD-07	29-Nov-18	43433	11	1	500	1	1,980	1
DAD-07	8-Mar-19	43532	12	1	530	1	2,050	1
DAD-07	24-May-19	43609	12	1	540	1	2,140	1
DAD-07	21-Aug-19	43698	13	1	560	1	2,190	1
DAD-07	5-Dec-19	43804	13	1	520	1	2,140	1
DAD-07	25-Feb-20	43886	14	1	570	1	2,190	1
DAD-07	3-Jun-20	43985	15	1	570	1	2,310	1
DAD-07	3-Sep-20	44077	16	1	740	1	2,520	1
DAD-07	4-Dec-20	44169	17	1	650	1	2,550	1
DAD-07	3-Mar-21	44258	17	1	630	1	2,420	1
DAD-07	4-Jun-21	44351	18	1	630	1	2,340	1
DAD-07	1-Sep-21	44440	18	1	600	1	2,310	1
DAD-07	7-Dec-21	44537	18	1	500	1	2,200	1
DAD-07	22-Mar-22	44642	18	1	480	1	2,160	1
DAD-07	1-Jun-22	44713	17	1	410	1	2,000	1
DAD-07	13-Sep-22	44817	17	1	370	1	1,890	1
DAD-07	7-Dec-22	44902	20	1	410	1	2,060	1
DAD-07	9-Mar-23	44994	19	1	450	1	2,120	1
DAD-07	5-Jun-23	45082	25	1	530	1	2,400	1
DAD-07	6-Sep-23	45175	34	1	560	1	2,800	1
DAD-07	13-Dec-23	45273	43	1	720	1	3,220	1
DAD-07	8-Mar-24	45359	50	1	950	1	3,900	1
DAD-07	13-Jun-24	45456	49	1	1,200	1	4,300	1
DAD-07	17-Sep-24	45552	49	1	1,200	1	4,300	1
DAD-07	10-Dec-24	45636	70	1	1,100	1	4,500	1
DAD-07	14-Mar-25	45730	52	1	1,100	1	4,100	1
DAD-08	23-Nov-15	42331	66.1	1	2,070	1	5,980	1
DAD-08	25-Feb-16	42425	51.2	1	1,990	1	5,740	1
DAD-08	2-Jun-16	42523	52.9	1	1,960	1	5,840	1
DAD-08	6-Sep-16	42619	44.4	1	1,950	1	5,940	1
DAD-08	2-Dec-16	42706	45.9	1	1,990	1	5,800	1
DAD-08	7-Mar-17	42801	44.8	1	1,860	1	5,420	1
DAD-08	8-Jun-17	42894	37.9	1	1,670	1	5,140	1
DAD-08	25-Aug-17	42972	32.8	1	1,450	1	6,480	1
DAD-08	27-Nov-17	43066	32.9	1	1,580	1	4,290	1
DAD-08	26-Feb-18	43157	51	1	1,700	1	4,710	1
DAD-08	31-May-18	43251	43	1	1,900	1	5,400	1
DAD-08	24-Aug-18	43336	47	1	2,000	1	5,680	1
DAD-08	29-Nov-18	43433	40	1	1,800	1	4,760	1
DAD-08	5-Mar-19	43529	42	1	1,900	1	5,460	1
DAD-08	23-May-19	43608	47	1	1,800	1	5,540	1
DAD-08	19-Aug-19	43696	39	1	1,800	1	5,270	1
DAD-08	4-Dec-19	43803	43	1	1,800	1	4,920	1
DAD-08	21-Feb-20	43882	40	1	1,800	1	4,930	1
DAD-08	2-Jun-20	43984	43	1	1,800	1	5,070	1
DAD-08	2-Sep-20	44076	42	1	1,800	1	4,770	1
DAD-08	3-Dec-20	44168	42	1	1,800	1	4,660	1
DAD-08	3-Mar-21	44258	45	1	1,800	1	4,880	1
DAD-08	7-Jun-21	44354	50	1	2,000	1	5,040	1
DAD-08	2-Sep-21	44441	46	1	1,900	1	4,580	1
DAD-08	6-Dec-21	44536	46	1	1,700	1	4,490	1
DAD-08	18-Mar-22	44638	44	1	1,600	1	4,520	1
DAD-08	31-May-22	44712	47	1	1,800	1	4,700	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-08	12-Sep-22	44816	46	1	1,600	1	4,780	1
DAD-08	8-Dec-22	44903	45	1	1,500	1	3,960	1
DAD-08	8-Mar-23	44993	45	1	1,600	1	4,260	1
DAD-08	5-Jun-23	45082	44	1	1,600	1	4,240	1
DAD-08	12-Sep-23	45181	42	1	1,500	1	4,150	1
DAD-08	13-Dec-23	45273	42	1	1,400	1	4,100	1
DAD-08	8-Mar-24	45359	46	1	1,500	1	4,300	1
DAD-08	12-Jun-24	45455	43	1	1,600	1	4,900	1
DAD-08	16-Sep-24	45551	42	1	1,400	1	4,200	1
DAD-08	6-Dec-24	45632	44	1	1,400	1	3,900	1
DAD-08	13-Mar-25	45729	43	1	1,500	1	4,000	1
DAD-09	23-Nov-15	42331	4.95	1	563	1	1,940	1
DAD-09	29-Feb-16	42429	16.2	1	574	1	2,050	1
DAD-09	6-Jun-16	42527	34.9	1	583	1	2,240	1
DAD-09	7-Sep-16	42620	36.0	1	619	1	2,280	1
DAD-09	6-Dec-16	42710	50.2	1	676	1	2,470	1
DAD-09	10-Mar-17	42804	55.4	1	667	1	2,530	1
DAD-09	9-Jun-17	42895	66.8	1	773	1	3,300	1
DAD-09	23-Aug-17	42970	43.9	1	665	1	2,050	1
DAD-09	28-Nov-17	43067	49.0	1	816	1	2,290	1
DAD-09	28-Feb-18	43159	60	1	680	1	2,560	1
DAD-09	4-Jun-18	43255	66	1	870	1	2,690	1
DAD-09	27-Aug-18	43339	76	1	780	1	2,910	1
DAD-09	30-Nov-18	43434	74	1	910	1	3,080	1
DAD-09	7-Mar-19	43531	100	1	950	1	3,290	1
DAD-09	24-May-19	43609	120	1	900	1	3,410	1
DAD-09	21-Aug-19	43698	120	1	890	1	3,380	1
DAD-09	6-Dec-19	43805	40	1	250	1	1,340	1
DAD-09	19-Feb-20	43880	72	1	610	1	2,230	1
DAD-09	3-Jun-20	43985	46	1	550	1	2,350	1
DAD-09	3-Sep-20	44077	22	1	450	1	1,720	1
DAD-09	7-Dec-20	44172	24	1	490	1	1,840	1
DAD-09	8-Mar-21	44263	29	1	510	1	1,900	1
DAD-09	28-May-21	44344	24	1	450	1	1,800	1
DAD-09	3-Sep-21	44442	42	1	93	1	785	1
DAD-09	7-Dec-21	44537	35	1	380	1	1,540	1
DAD-09	22-Mar-22	44642	32	1	510	1	1,860	1
DAD-09	1-Jun-22	44713	33	1	510	1	1,960	1
DAD-09	13-Sep-22	44817	32	1	480	1	1,960	1
DAD-09	9-Dec-22	44904	36	1	570	1	1,920	1
DAD-09	9-Mar-23	44994	35	1	520	1	1,880	1
DAD-09	6-Jun-23	45083	33	1	520	1	1,890	1
DAD-09	13-Sep-23	45182	30	1	410	1	1,640	1
DAD-09	14-Dec-23	45274	33	1	430	1	1,860	1
DAD-09	11-Mar-24	45362	49	1	430	1	1,800	1
DAD-09	13-Jun-24	45456	49	1	640	1	2,200	1
DAD-09	17-Sep-24	45552	37	1	510	1	1,900	1
DAD-09	11-Dec-24	45637	51	1	450	1	2,200	1
DAD-09	14-Mar-25	45730	18	1	230	1	1,000	1
DAD-10	24-Nov-15	42332	0.723	1	146	1	1,560	1
DAD-10	29-Feb-16	42429	10.5	1	457	1	1,610	1
DAD-10	6-Jun-16	42527	16.9	1	426	1	1,720	1
DAD-10	7-Sep-16	42620	14.8	1	451	1	1,620	1
DAD-10	6-Dec-16	42710	15.6	1	443	1	1,710	1
DAD-10	8-Mar-17	42802	8.40	1	435	1	1,610	1
DAD-10	9-Jun-17	42895	15.5	1	446	1	1,790	1
DAD-10	25-Aug-17	42972	1.14	1	100	1	790	1
DAD-10	28-Nov-17	43067	14.5	1	457	1	1,540	1
DAD-10	28-Feb-18	43159	9.1	1	360	1	1,440	1
DAD-10	4-Jun-18	43255	5.5	1	410	1	1,430	1
DAD-10	27-Aug-18	43339	4.1	1	380	1	1,410	1
DAD-10	30-Nov-18	43434	4.9	1	420	1	1,510	1
DAD-10	11-Mar-19	43535	2.5	1	380	1	1,280	1
DAD-10	24-May-19	43609	1.7	1	390	1	1,670	1
DAD-10	22-Aug-19	43699	1.7	1	390	1	1,330	1
DAD-10	2-Dec-19	43801	1.7	1	390	1	1,380	1
DAD-10	19-Feb-20	43880	1.5	1	380	1	1,480	1
DAD-10	4-Jun-20	43986	1.3	1	390	1	1,460	1
DAD-10	3-Sep-20	44077	1.3	1	400	1	1,380	1
DAD-10	24-Nov-20	44159	1.5	1	420	1	1,330	1
DAD-10	8-Mar-21	44263	1.5	1	410	1	1,550	1
DAD-10	28-May-21	44344	<1.0	0	390	1	1,330	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-10	24-Aug-21	44432	1.0	1	400	1	1,490	1
DAD-10	8-Dec-21	44538	1.4	1	460	1	1,750	1
DAD-10	23-Mar-22	44643	1.4	1	390	1	1,660	1
DAD-10	2-Jun-22	44714	1.2	1	390	1	1,400	1
DAD-10	14-Sep-22	44818	<1.0	0	360	1	1,250	1
DAD-10	9-Dec-22	44904	1.2	1	420	1	1,280	1
DAD-10	10-Mar-23	44995	1.3	1	440	1	1,530	1
DAD-10	9-Jun-23	45086	1.1	1	400	1	1,330	1
DAD-10	13-Sep-23	45182	1.0	1	360	1	1,340	1
DAD-10	14-Dec-23	45274	1.1	1	380	1	1,450	1
DAD-10	11-Mar-24	45362	<2.0	0	400	1	1,400	1
DAD-10	14-Jun-24	45457	<1.0	0	390	1	1,500	1
DAD-10	19-Sep-24	45554	<1.0	0	380	1	1,500	1
DAD-10	12-Dec-24	45638	0.17	1	410	1	1,600	1
DAD-10	18-Mar-25	45734	<1.0	0	440	1	1,400	1
DAD-11	24-Nov-15	42332	17.1	1	1,320	1	4,030	1
DAD-11	29-Feb-16	42429	13.5	1	1,060	1	3,040	1
DAD-11	8-Jun-16	42529	14.3	1	1,060	1	4,040	1
DAD-11	8-Sep-16	42621	15.4	1	1,200	1	3,960	1
DAD-11	5-Dec-16	42709	7.40	1	691	1	2,680	1
DAD-11	8-Mar-17	42802	14.0	1	983	1	3,420	1
DAD-11	6-Jun-17	42892	12.3	1	821	1	3,030	1
DAD-11	29-Aug-17	42976	11.5	1	550	1	2,350	1
DAD-11	29-Nov-17	43068	3.80	1	447	1	1,660	1
DAD-11	26-Feb-18	43157	10	1	590	1	2,450	1
DAD-11	31-May-18	43251	14	1	690	1	2,930	1
DAD-11	29-Aug-18	43341	16	1	730	1	2,960	1
DAD-11	3-Dec-18	43437	13	1	710	1	2,840	1
DAD-11	11-Mar-19	43535	13	1	670	1	2,740	1
DAD-11	28-May-19	43613	13	1	690	1	2,840	1
DAD-11	20-Aug-19	43697	13	1	690	1	2,820	1
DAD-11	12-Dec-19	43811	13	1	610	1	2,670	1
DAD-11	26-Feb-20	43887	12	1	670	1	2,690	1
DAD-11	28-Aug-20	44071	11	1	610	1	2,670	1
DAD-11	1-Dec-20	44166	13	1	630	1	2,700	1
DAD-11	1-Mar-21	44256	13	1	620	1	2,730	1
DAD-11	1-Jun-21	44348	12	1	640	1	2,810	1
DAD-11	25-Aug-21	44433	12	1	650	1	2,790	1
DAD-11	30-Nov-21	44530	12	1	640	1	2,780	1
DAD-11	15-Mar-22	44635	11	1	640	1	2,850	1
DAD-11	25-May-22	44706	12	1	680	1	2,830	1
DAD-11	25-Aug-22	44798	12	1	640	1	2,820	1
DAD-11	2-Dec-22	44897	11	1	590	1	2,860	1
DAD-11	3-Mar-23	44988	13	1	770	1	2,970	1
DAD-11	25-May-23	45071	17	1	730	1	3,100	1
DAD-11	31-Aug-23	45169	24	1	860	1	3,280	1
DAD-11	6-Dec-23	45266	31	1	1,000	1	3,490	1
DAD-11	1-Mar-24	45352	39	1	1,100	1	3,840	1
DAD-11	7-Jun-24	45450	46	1	1,100	1	3,800	1
DAD-11	9-Sep-24	45544	48	1	1,100	1	4,000	1
DAD-11	5-Dec-24	45631	52	1	1,200	1	3,700	1
DAD-11	10-Mar-25	45726	50	1	1,200	1	3,700	1
DAD-12	24-Nov-15	42332	19.8	1	735	1	2,860	1
DAD-12	29-Feb-16	42429	20.7	1	809	1	2,980	1
DAD-12	8-Jun-16	42529	18.2	1	889	1	2,900	1
DAD-12	8-Sep-16	42621	19.2	1	805	1	2,960	1
DAD-12	5-Dec-16	42709	20.7	1	1,180	1	3,760	1
DAD-12	8-Mar-17	42802	25.7	1	1,200	1	3,690	1
DAD-12	12-Jun-17	42898	21.0	1	975	1	3,330	1
DAD-12	28-Aug-17	42975	25.6	1	1,070	1	3,580	1
DAD-12	29-Nov-17	43068	19.3	1	1,200	1	3,430	1
DAD-12	27-Feb-18	43158	21	1	1,200	1	3,820	1
DAD-12	1-Jun-18	43252	21	1	1,200	1	3,740	1
DAD-12	28-Aug-18	43340	20	1	1,100	1	3,710	1
DAD-12	3-Dec-18	43437	17	1	1,100	1	3,650	1
DAD-12	11-Mar-19	43535	18	1	1,100	1	3,630	1
DAD-12	28-May-19	43613	15	1	1,200	1	3,690	1
DAD-12	20-Aug-19	43697	15	1	1,200	1	3,700	1
DAD-12	3-Dec-19	43802	20	1	480	1	1,960	1
DAD-12	26-Feb-20	43887	15	1	1,200	1	3,660	1
DAD-12	29-May-20	43980	15	1	1,100	1	3,590	1
DAD-12	27-Aug-20	44070	13	1	1,100	1	3,510	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-12	30-Nov-20	44165	14	1	1,200	1	3,590	1
DAD-12	1-Mar-21	44256	13	1	1,100	1	3,520	1
DAD-12	1-Jun-21	44348	12	1	1,100	1	3,550	1
DAD-12	25-Aug-21	44433	13	1	1,100	1	3,550	1
DAD-12	23-Nov-21	44523	12	1	870	1	3,420	1
DAD-12	3-Mar-22	44623	12	1	950	1	3,240	1
DAD-12	24-May-22	44705	11	1	900	1	3,230	1
DAD-12	25-Aug-22	44798	11	1	800	1	3,200	1
DAD-12	1-Dec-22	44896	11	1	930	1	3,210	1
DAD-12	2-Mar-23	44987	11	1	810	1	3,120	1
DAD-12	25-May-23	45071	10	1	720	1	2,980	1
DAD-12	30-Aug-23	45168	11	1	800	1	3,040	1
DAD-12	5-Dec-23	45265	10	1	810	1	3,070	1
DAD-12	1-Mar-24	45352	9.6	1	820	1	3,160	1
DAD-12	6-Jun-24	45449	11	1	820	1	3,200	1
DAD-12	9-Sep-24	45544	11	1	790	1	3,100	1
DAD-12	4-Dec-24	45630	11	1	840	1	3,100	1
DAD-12	7-Mar-25	45723	13	1	990	1	3,100	1
DAD-13	24-Nov-15	42332	9.98	1	642	1	2,280	1
DAD-13	25-Feb-16	42425	11.0	1	702	1	2,200	1
DAD-13	2-Jun-16	42523	10.5	1	676	1	2,310	1
DAD-13	8-Sep-16	42621	10.9	1	673	1	2,300	1
DAD-13	5-Dec-16	42709	9.54	1	622	1	2,240	1
DAD-13	8-Mar-17	42802	14.0	1	523	1	2,020	1
DAD-13	12-Jun-17	42898	16.0	1	701	1	2,520	1
DAD-13	24-Aug-17	42971	16.0	1	619	1	2,280	1
DAD-13	27-Nov-17	43066	21.5	1	418	1	1,850	1
DAD-13	27-Feb-18	43158	27	1	360	1	1,740	1
DAD-13	31-May-18	43251	16	1	710	1	2,550	1
DAD-13	27-Aug-18	43339	12	1	450	1	1,800	1
DAD-13	28-Nov-18	43432	6.6	1	470	1	1,910	1
DAD-13	8-Mar-19	43532	10	1	570	1	2,000	1
DAD-13	24-May-19	43609	12	1	590	1	2,130	1
DAD-13	20-Aug-19	43697	11	1	640	1	2,170	1
DAD-13	3-Dec-19	43802	16	1	1,100	1	3,640	1
DAD-13	26-Feb-20	43887	14	1	580	1	1,960	1
DAD-13	29-May-20	43980	13	1	550	1	2,130	1
DAD-13	28-Aug-20	44071	13	1	600	1	2,210	1
DAD-13	30-Nov-20	44165	17	1	460	1	1,920	1
DAD-13	1-Mar-21	44256	15	1	530	1	2,110	1
DAD-13	1-Jun-21	44348	11	1	500	1	2,110	1
DAD-13	25-Aug-21	44433	8.1	1	520	1	2,180	1
DAD-13	23-Nov-21	44523	8.3	1	550	1	2,240	1
DAD-13	3-Mar-22	44623	9.0	1	740	1	2,500	1
DAD-13	24-May-22	44705	13	1	580	1	2,250	1
DAD-13	25-Aug-22	44798	6.8	1	660	1	2,380	1
DAD-13	2-Dec-22	44897	12	1	630	1	2,390	1
DAD-13	2-Mar-23	44987	12	1	690	1	2,330	1
DAD-13	25-May-23	45071	11	1	570	1	2,230	1
DAD-13	30-Aug-23	45168	11	1	580	1	2,000	1
DAD-13	5-Dec-23	45265	26	1	850	1	2,650	1
DAD-13	1-Mar-24	45352	16	1	760	1	2,640	1
DAD-13	7-Jun-24	45450	13	1	530	1	2,100	1
DAD-13	10-Sep-24	45545	2.6	1	510	1	1,900	1
DAD-13	4-Dec-24	45630	4.3	1	560	1	1,900	1
DAD-13	1-Mar-25	45717	8.0	1	650	1	2,100	1
DAD-14	24-Nov-15	42332	33.9	1	1,220	1	3,550	1
DAD-14	29-Feb-16	42429	40.2	1	1,280	1	3,540	1
DAD-14	2-Jun-16	42523	40.9	1	1,280	1	3,700	1
DAD-14	8-Sep-16	42621	44.5	1	1,170	1	3,700	1
DAD-14	2-Dec-16	42706	39.0	1	1,140	1	3,750	1
DAD-14	8-Mar-17	42802	39.1	1	1,090	1	3,780	1
DAD-14	6-Jun-17	42892	32.7	1	1,060	1	3,750	1
DAD-14	28-Aug-17	42975	28.5	1	1,010	1	3,170	1
DAD-14	27-Nov-17	43066	25.5	1	1,010	1	3,270	1
DAD-14	26-Feb-18	43157	24	1	910	1	3,210	1
DAD-14	31-May-18	43251	21	1	860	1	3,350	1
DAD-14	29-Aug-18	43341	22	1	890	1	3,180	1
DAD-14	28-Nov-18	43432	21	1	840	1	3,240	1
DAD-14	8-Mar-19	43532	22	1	830	1	3,310	1
DAD-14	24-May-19	43609	22	1	860	1	3,260	1
DAD-14	20-Aug-19	43697	21	1	820	1	3,140	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-14	3-Dec-19	43802	20	1	730	1	3,060	1
DAD-14	26-Feb-20	43887	20	1	820	1	3,020	1
DAD-14	29-May-20	43980	19	1	720	1	2,980	1
DAD-14	28-Aug-20	44071	18	1	690	1	2,880	1
DAD-14	1-Dec-20	44166	17	1	660	1	2,770	1
DAD-14	2-Mar-21	44257	17	1	660	1	2,640	1
DAD-14	3-Jun-21	44350	15	1	640	1	2,720	1
DAD-14	26-Aug-21	44434	16	1	630	1	2,600	1
DAD-14	23-Nov-21	44523	17	1	590	1	2,830	1
DAD-14	15-Mar-22	44635	17	1	620	1	2,670	1
DAD-14	24-May-22	44705	18	1	610	1	2,750	1
DAD-14	26-Aug-22	44799	22	1	690	1	2,850	1
DAD-14	2-Dec-22	44897	36	1	930	1	2,310	1
DAD-14	2-Mar-23	44987	45	1	1,100	1	3,490	1
DAD-14	26-May-23	45072	60	1	1,200	1	3,830	1
DAD-14	31-Aug-23	45169	70	1	1,400	1	3,930	1
DAD-14	5-Dec-23	45265	84	1	1,400	1	4,050	1
DAD-14	1-Mar-24	45352	76	1	1,300	1	4,100	1
DAD-14	7-Jun-24	45450	74	1	1,200	1	3,900	1
DAD-14	9-Sep-24	45544	88	1	1,200	1	4,200	1
DAD-14	4-Dec-24	45630	76	1	1,400	1	4,100	1
DAD-14	10-Mar-25	45726	85	1	1,400	1	4,000	1
DAD-15	24-Nov-15	42332	5.06	1	538	1	1,720	1
DAD-15	29-Feb-16	42429	4.30	1	536	1	1,720	1
DAD-15	8-Jun-16	42529	4.41	1	466	1	1,680	1
DAD-15	7-Sep-16	42620	4.21	1	506	1	1,780	1
DAD-15	5-Dec-16	42709	5.12	1	496	1	1,660	1
DAD-15	13-Mar-17	42807	5.74	1	526	1	1,860	1
DAD-15	9-Jun-17	42895	6.07	1	532	1	1,870	1
DAD-15	28-Aug-17	42975	4.60	1	502	1	1,670	1
DAD-15	20-Nov-17	43059	6.98	1	578	1	1,710	1
DAD-15	27-Feb-18	43158	7.4	1	550	1	1,970	1
DAD-15	1-Jun-18	43252	7.1	1	520	1	1,960	1
DAD-15	27-Aug-18	43339	8.9	1	530	1	2,080	1
DAD-15	30-Nov-18	43434	6.2	1	530	1	1,840	1
DAD-15	8-Mar-19	43532	7.5	1	540	1	1,970	1
DAD-15	24-May-19	43609	9.9	1	580	1	2,160	1
DAD-15	21-Aug-19	43698	13	1	610	1	2,180	1
DAD-15	5-Dec-19	43804	9.8	1	520	1	2,010	1
DAD-15	26-Feb-20	43887	11	1	610	1	2,010	1
DAD-15	1-Jun-20	43983	11	1	600	1	2,060	1
DAD-15	3-Sep-20	44077	14	1	600	1	2,210	1
DAD-15	4-Dec-20	44169	17	1	590	1	2,230	1
DAD-15	4-Mar-21	44259	18	1	650	1	2,310	1
DAD-15	4-Jun-21	44351	12	1	760	1	2,280	1
DAD-15	31-Aug-21	44439	17	1	640	1	2,230	1
DAD-15	2-Dec-21	44532	20	1	700	1	2,470	1
DAD-15	23-Mar-22	44643	22	1	640	1	2,590	1
DAD-15	26-May-22	44707	20	1	770	1	2,510	1
DAD-15	31-Aug-22	44804	22	1	680	1	2,550	1
DAD-15	5-Dec-22	44900	17	1	650	1	2,500	1
DAD-15	6-Mar-23	44991	17	1	780	1	2,470	1
DAD-15	30-May-23	45076	15	1	640	1	2,320	1
DAD-15	5-Sep-23	45174	21	1	710	1	2,660	1
DAD-15	8-Dec-23	45268	18	1	720	1	5,060	1
DAD-15	5-Mar-24	45356	21	1	720	1	2,700	1
DAD-15	11-Jun-24	45454	21	1	770	1	2,900	1
DAD-15	11-Sep-24	45546	18	1	760	1	2,700	1
DAD-15	5-Dec-24	45631	24	1	810	1	2,600	1
DAD-15	12-Mar-25	45728	25	1	770	1	2,700	1
DAD-16	30-Nov-15	42338	1.25	1	611	1	2,520	1
DAD-16	29-Feb-16	42429	0.327	1	629	1	2,440	1
DAD-16	6-Jun-16	42527	1.02	1	423	1	2,070	1
DAD-16	7-Sep-16	42620	1.56	1	821	1	3,000	1
DAD-16	2-Dec-16	42706	1.76	1	342	1	1,900	1
DAD-16	8-Mar-17	42802	0.993	1	649	1	2,690	1
DAD-16	6-Jun-17	42892	0.656	1	666	1	2,710	1
DAD-16	28-Aug-17	42975	1.18	1	723	1	2,450	1
DAD-16	28-Nov-17	43067	0.246	1	583	1	2,120	1
DAD-16	27-Feb-18	43158	0.51	1	390	1	1,780	1
DAD-16	1-Jun-18	43252	<1.0	0	620	1	2,440	1
DAD-16	27-Aug-18	43339	<1.0	0	550	1	2,410	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-16	29-Nov-18	43433	<1.0	0	520	1	2,200	1
DAD-16	8-Mar-19	43532	<1.0	0	450	1	1,990	1
DAD-16	23-May-19	43608	<1.0	0	420	1	2,010	1
DAD-16	20-Aug-19	43697	<1.0	0	480	1	2,100	1
DAD-16	5-Dec-19	43804	<1.0	0	470	1	2,130	1
DAD-16	25-Feb-20	43886	<1.0	0	400	1	1,950	1
DAD-16	1-Jun-20	43983	<1.0	0	520	1	2,080	1
DAD-16	31-Aug-20	44074	<1.0	0	520	1	2,200	1
DAD-16	2-Dec-20	44167	<1.0	0	500	1	2,170	1
DAD-16	3-Mar-21	44258	<1.0	0	430	1	2,030	1
DAD-16	4-Jun-21	44351	<1.0	0	560	1	2,250	1
DAD-16	31-Aug-21	44439	<1.0	0	530	1	2,170	1
DAD-16	1-Dec-21	44531	<1.0	0	540	1	2,160	1
DAD-16	16-Mar-22	44636	<1.0	0	490	1	2,100	1
DAD-16	26-May-22	44707	<1.0	0	530	1	2,180	1
DAD-16	31-Aug-22	44804	<1.0	0	430	1	2,120	1
DAD-16	6-Dec-22	44901	<1.0	0	330	1	1,880	1
DAD-16	6-Mar-23	44991	<1.0	0	410	1	1,910	1
DAD-16	30-May-23	45076	<1.0	0	330	1	1,760	1
DAD-16	6-Sep-23	45175	<1.0	0	250	1	1,670	1
DAD-16	7-Dec-23	45267	1.1	1	280	1	1,640	1
DAD-16	5-Mar-24	45356	<2.0	0	270	1	1,700	1
DAD-16	10-Jun-24	45453	<1.0	0	290	1	2,000	1
DAD-16	11-Sep-24	45546	<1.0	0	270	1	1,700	1
DAD-16	11-Mar-25	45727	<1.0	0	330	1	1,800	1
DAD-17	30-Nov-15	42338	<0.0387	0	373	1	1,550	1
DAD-17	1-Mar-16	42430	<0.0610	0	183	1	1,260	1
DAD-17	6-Jun-16	42527	0.626	1	240	1	1,440	1
DAD-17	8-Sep-16	42621	1.89	1	169	1	1,100	1
DAD-17	5-Dec-16	42709	1.46	1	126	1	755	1
DAD-17	13-Mar-17	42807	0.509	1	103	1	885	1
DAD-17	7-Jun-17	42893	0.939	1	84.2	1	970	1
DAD-17	25-Aug-17	42972	10.3	1	454	1	1,740	1
DAD-17	28-Nov-17	43067	3.17	1	65.4	1	690	1
DAD-17	27-Feb-18	43158	0.62	1	54	1	572	1
DAD-17	31-May-18	43251	1.2	1	60	1	620	1
DAD-17	24-Aug-18	43336	2.0	1	56	1	580	1
DAD-17	29-Nov-18	43433	<1.0	0	70	1	624	1
DAD-17	8-Mar-19	43532	2.4	1	89	1	638	1
DAD-17	23-May-19	43608	1.3	1	74	1	650	1
DAD-17	21-Aug-19	43698	4.9	1	120	1	785	1
DAD-17	5-Dec-19	43804	1.5	1	65	1	582	1
DAD-17	25-Feb-20	43886	<1.0	0	71	1	554	1
DAD-17	2-Jun-20	43984	1.7	1	86	1	698	1
DAD-17	2-Sep-20	44076	1.8	1	73	1	586	1
DAD-17	2-Dec-20	44167	<1.0	0	92	1	604	1
DAD-17	4-Mar-21	44259	1.3	1	96	1	634	1
DAD-17	7-Jun-21	44354	4.0	1	180	1	972	1
DAD-17	2-Sep-21	44441	2.6	1	130	1	742	1
DAD-17	6-Dec-21	44536	1.2	1	190	1	985	1
DAD-17	17-Mar-22	44637	2.7	1	170	1	985	1
DAD-17	31-May-22	44712	<1.0	0	190	1	936	1
DAD-17	1-Sep-22	44805	<1.0	0	140	1	853	1
DAD-17	8-Dec-22	44903	<1.0	0	170	1	878	1
DAD-17	8-Mar-23	44993	<1.0	0	170	1	938	1
DAD-17	1-Jun-23	45078	<1.0	0	190	1	968	1
DAD-17	11-Sep-23	45180	<1.0	0	66	1	613	1
DAD-17	12-Dec-23	45272	<1.0	0	100	1	750	1
DAD-17	7-Mar-24	45358	<1.0	0	99	1	680	1
DAD-17	12-Jun-24	45455	<2.0	0	130	1	750	1
DAD-17	16-Sep-24	45551	<1.0	0	68	1	720	1
DAD-17	13-Mar-25	45729	<1.0	0	120	1	670	1
DAD-18	30-Nov-15	42338	8.19	1	923	1	2,760	1
DAD-18	1-Mar-16	42430	8.55	1	918	1	2,860	1
DAD-18	6-Jun-16	42527	8.04	1	671	1	2,830	1
DAD-18	9-Sep-16	42622	6.85	1	688	1	2,650	1
DAD-18	5-Dec-16	42709	7.88	1	684	1	2,730	1
DAD-18	8-Mar-17	42802	9.07	1	684	1	2,750	1
DAD-18	12-Jun-17	42898	10.4	1	710	1	2,760	1
DAD-18	29-Aug-17	42976	13.6	1	620	1	2,570	1
DAD-18	29-Nov-17	43068	10.6	1	684	1	2,520	1
DAD-18	28-Feb-18	43159	15	1	560	1	2,750	1

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Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-18	4-Jun-18	43255	12	1	720	1	2,740	1
DAD-18	28-Aug-18	43340	12	1	630	1	2,720	1
DAD-18	29-Nov-18	43433	10	1	680	1	2,650	1
DAD-18	11-Mar-19	43535	9.4	1	620	1	2,600	1
DAD-18	28-May-19	43613	9.5	1	650	1	2,620	1
DAD-18	20-Aug-19	43697	10	1	650	1	2,640	1
DAD-18	5-Dec-19	43804	8.7	1	570	1	2,620	1
DAD-18	25-Feb-20	43886	9.3	1	660	1	2,690	1
DAD-18	2-Jun-20	43984	8.1	1	670	1	2,760	1
DAD-18	2-Sep-20	44076	8.0	1	690	1	2,740	1
DAD-18	3-Dec-20	44168	8.5	1	720	1	2,730	1
DAD-18	4-Mar-21	44259	7.9	1	690	1	2,660	1
DAD-18	7-Jun-21	44354	7.4	1	670	1	2,700	1
DAD-18	2-Sep-21	44441	7.4	1	640	1	2,580	1
DAD-18	6-Dec-21	44536	7.0	1	640	1	2,510	1
DAD-18	18-Mar-22	44638	6.3	1	590	1	2,530	1
DAD-18	31-May-22	44712	7.7	1	690	1	2,580	1
DAD-18	12-Sep-22	44816	7.6	1	600	1	2,590	1
DAD-18	8-Dec-22	44903	6.8	1	720	1	2,670	1
DAD-18	8-Mar-23	44993	6.9	1	690	1	2,700	1
DAD-18	5-Jun-23	45082	7.4	1	680	1	2,660	1
DAD-18	12-Sep-23	45181	7.7	1	630	1	2,600	1
DAD-18	13-Dec-23	45273	10	1	640	1	2,650	1
DAD-18	8-Mar-24	45359	9.8	1	670	1	2,400	1
DAD-18	12-Jun-24	45455	12	1	670	1	2,600	1
DAD-18	16-Sep-24	45551	14	1	620	1	2,700	1
DAD-18	6-Dec-24	45632	14	1	650	1	2,700	1
DAD-18	13-Mar-25	45729	13	1	680	1	2,600	1
DAD-19	30-Nov-15	42338	41.2	1	1,050	1	3,260	1
DAD-19	1-Mar-16	42430	36.3	1	1,060	1	3,200	1
DAD-19	8-Jun-16	42529	24.5	1	1,830	1	2,920	1
DAD-19	9-Sep-16	42622	25.2	1	418	1	2,910	1
DAD-19	6-Dec-16	42710	22.5	1	944	1	3,420	1
DAD-19	13-Mar-17	42807	30.7	1	970	1	2,870	1
DAD-19	12-Jun-17	42898	20.7	1	928	1	2,790	1
DAD-19	29-Aug-17	42976	30.7	1	864	1	2,770	1
DAD-19	29-Nov-17	43068	25.3	1	1,040	1	2,750	1
DAD-19	28-Feb-18	43159	33	1	890	1	3,040	1
DAD-19	4-Jun-18	43255	39	1	980	1	3,070	1
DAD-19	28-Aug-18	43340	24	1	960	1	2,950	1
DAD-19	30-Nov-18	43434	35	1	990	1	2,960	1
DAD-19	11-Mar-19	43535	34	1	970	1	2,920	1
DAD-19	28-May-19	43613	41	1	1,000	1	3,090	1
DAD-19	20-Aug-19	43697	46	1	1,000	1	3,170	1
DAD-19	4-Dec-19	43803	35	1	1,000	1	3,110	1
DAD-19	25-Feb-20	43886	33	1	940	1	3,020	1
DAD-19	2-Jun-20	43984	28	1	930	1	2,890	1
DAD-19	3-Sep-20	44077	30	1	970	1	2,920	1
DAD-19	4-Dec-20	44169	33	1	920	1	2,970	1
DAD-19	3-Mar-21	44258	29	1	940	1	2,810	1
DAD-19	4-Jun-21	44351	35	1	1,000	1	2,960	1
DAD-19	1-Sep-21	44440	36	1	1,000	1	3,060	1
DAD-19	2-Dec-21	44532	36	1	970	1	3,050	1
DAD-19	17-Mar-22	44637	27	1	980	1	2,960	1
DAD-19	27-May-22	44708	34	1	1,000	1	2,960	1
DAD-19	1-Sep-22	44805	32	1	970	1	3,040	1
DAD-19	7-Dec-22	44902	30	1	960	1	3,050	1
DAD-19	7-Mar-23	44992	31	1	970	1	3,060	1
DAD-19	1-Jun-23	45078	33	1	980	1	3,060	1
DAD-19	11-Sep-23	45180	31	1	950	1	2,970	1
DAD-19	12-Dec-23	45272	30	1	1,000	1	3,070	1
DAD-19	7-Mar-24	45358	37	1	1,000	1	3,100	1
DAD-19	11-Jun-24	45454	38	1	1,000	1	3,100	1
DAD-19	12-Sep-24	45547	34	1	980	1	3,000	1
DAD-19	6-Dec-24	45632	44	1	1,100	1	3,100	1
DAD-19	13-Mar-25	45729	34	1	1,100	1	3,100	1
DAD-21	23-Nov-15	42331	6.28	1	708	1	2,090	1
DAD-21	29-Feb-16	42429	35.6	1	815	1	2,360	1
DAD-21	6-Jun-16	42527	55.2	1	1,350	1	2,920	1
DAD-21	7-Sep-16	42620	58.9	1	1,020	1	3,180	1
DAD-21	6-Dec-16	42710	59.9	1	936	1	3,020	1
DAD-21	10-Mar-17	42804	69.2	1	939	1	3,190	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-21	9-Jun-17	42895	71.3	1	977	1	3,360	1
DAD-21	23-Aug-17	42970	51.1	1	826	1	2,910	1
DAD-21	28-Nov-17	43067	70.7	1	928	1	2,860	1
DAD-21	28-Feb-18	43159	76	1	700	1	2,820	1
DAD-21	4-Jun-18	43255	81	1	750	1	2,900	1
DAD-21	27-Aug-18	43339	90	1	830	1	3,010	1
DAD-21	30-Nov-18	43434	110	1	910	1	3,180	1
DAD-21	7-Mar-19	43531	80	1	860	1	3,030	1
DAD-21	24-May-19	43609	87	1	860	1	2,920	1
DAD-21	21-Aug-19	43698	86	1	880	1	3,040	1
DAD-21	6-Dec-19	43805	110	1	770	1	3,200	1
DAD-21	19-Feb-20	43880	110	1	950	1	3,430	1
DAD-21	3-Jun-20	43985	100	1	860	1	3,370	1
DAD-21	3-Sep-20	44077	120	1	970	1	3,580	1
DAD-21	7-Dec-20	44172	120	1	990	1	3,610	1
DAD-21	8-Mar-21	44263	110	1	980	1	3,440	1
DAD-21	28-May-21	44344	120	1	950	1	3,330	1
DAD-21	3-Sep-21	44442	64	1	920	1	3,030	1
DAD-21	7-Dec-21	44537	54	1	1,200	1	2,740	1
DAD-21	22-Mar-22	44642	41	1	900	1	2,840	1
DAD-21	1-Jun-22	44713	41	1	870	1	2,980	1
DAD-21	13-Sep-22	44817	26	1	690	1	2,590	1
DAD-21	9-Dec-22	44904	24	1	640	1	2,300	1
DAD-21	9-Mar-23	44994	24	1	640	1	2,380	1
DAD-21	6-Jun-23	45083	46	1	780	1	2,620	1
DAD-21	13-Sep-23	45182	35	1	710	1	2,590	1
DAD-21	14-Dec-23	45274	28	1	660	1	2,430	1
DAD-21	11-Mar-24	45362	16	1	650	1	2,300	1
DAD-21	13-Jun-24	45456	39	1	730	1	2,800	1
DAD-21	17-Sep-24	45552	13	1	590	1	2,200	1
DAD-21	11-Dec-24	45637	34	1	670	1	2,900	1
DAD-21	14-Mar-25	45730	39	1	890	1	2,900	1
DAD-22	23-Nov-15	42331	6.52	1	964	1	2,340	1
DAD-22	25-Feb-16	42425	18.5	1	932	1	2,380	1
DAD-22	8-Jun-16	42529	21.8	1	815	1	2,420	1
DAD-22	6-Sep-16	42619	23.6	1	863	1	2,380	1
DAD-22	5-Dec-16	42709	25.4	1	808	1	2,480	1
DAD-22	7-Mar-17	42801	27.3	1	817	1	2,360	1
DAD-22	7-Jun-17	42893	22.2	1	846	1	2,500	1
DAD-22	23-Aug-17	42970	19.0	1	803	1	2,410	1
DAD-22	28-Nov-17	43067	16.2	1	4.03	1	2,250	1
DAD-22	27-Feb-18	43158	12	1	860	1	2,420	1
DAD-22	1-Jun-18	43252	20	1	810	1	2,390	1
DAD-22	24-Aug-18	43336	29	1	700	1	2,380	1
DAD-22	30-Nov-18	43434	18	1	670	1	2,120	1
DAD-22	7-Mar-19	43531	26	1	670	1	2,200	1
DAD-22	24-May-19	43609	20	1	770	1	2,320	1
DAD-22	21-Aug-19	43698	17	1	840	1	2,390	1
DAD-22	6-Dec-19	43805	6.7	1	780	1	2,360	1
DAD-22	19-Feb-20	43880	11	1	870	1	2,340	1
DAD-22	3-Jun-20	43985	11	1	840	1	2,460	1
DAD-22	8-Sep-20	44082	12	1	850	1	2,410	1
DAD-22	7-Dec-20	44172	12	1	870	1	2,490	1
DAD-22	8-Mar-21	44263	13	1	890	1	2,360	1
DAD-22	28-May-21	44344	11	1	840	1	2,390	1
DAD-22	3-Sep-21	44442	14	1	860	1	2,430	1
DAD-22	8-Dec-21	44538	14	1	880	1	2,350	1
DAD-22	23-Mar-22	44643	16	1	780	1	2,440	1
DAD-22	2-Jun-22	44714	16	1	880	1	2,440	1
DAD-22	14-Sep-22	44818	15	1	780	1	2,420	1
DAD-22	9-Dec-22	44904	16	1	880	1	2,340	1
DAD-22	9-Mar-23	44994	15	1	870	1	2,320	1
DAD-22	6-Jun-23	45083	15	1	870	1	2,360	1
DAD-22	13-Sep-23	45182	14	1	740	1	2,410	1
DAD-22	14-Dec-23	45274	15	1	820	1	2,370	1
DAD-22	11-Mar-24	45362	16	1	810	1	2,300	1
DAD-22	13-Jun-24	45456	19	1	820	1	2,400	1
DAD-22	20-Sep-24	45555	19	1	760	1	2,400	1
DAD-22	11-Dec-24	45637	19	1	840	1	2,900	1
DAD-22	17-Mar-25	45733	17	1	880	1	2,300	1
DAD-23	21-Dec-15	42359	6.11	1	450	1	1,860	1
DAD-23	29-Feb-16	42429	<0.305	0	421	1	1,680	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-23	2-Jun-16	42523	1.10	1	636	1	2,260	1
DAD-23	7-Sep-16	42620	1.86	1	462	1	1,720	1
DAD-23	5-Dec-16	42709	5.57	1	566	1	1,940	1
DAD-23	7-Mar-17	42801	12.0	1	577	1	2,230	1
DAD-23	7-Jun-17	42893	14.9	1	580	1	2,300	1
DAD-23	24-Aug-17	42971	19.5	1	676	1	2,500	1
DAD-23	29-Nov-17	43068	18.2	1	763	1	2,050	1
DAD-23	26-Feb-18	43157	16	1	490	1	1,890	1
DAD-23	31-May-18	43251	19	1	670	1	2,500	1
DAD-23	27-Aug-18	43339	21	1	580	1	2,350	1
DAD-23	28-Nov-18	43432	18	1	500	1	2,090	1
DAD-23	8-Mar-19	43532	17	1	540	1	2,260	1
DAD-23	24-May-19	43609	19	1	390	1	1,960	1
DAD-23	19-Aug-19	43696	17	1	540	1	2,220	1
DAD-23	6-Dec-19	43805	18	1	540	1	2,410	1
DAD-23	26-Feb-20	43887	22	1	350	1	1,570	1
DAD-23	1-Jun-20	43983	21	1	520	1	1,960	1
DAD-23	28-Aug-20	44071	19	1	280	1	1,440	1
DAD-23	1-Dec-20	44166	20	1	480	1	1,890	1
DAD-23	2-Mar-21	44257	15	1	460	1	2,310	1
DAD-23	3-Jun-21	44350	15	1	540	1	2,320	1
DAD-23	26-Aug-21	44434	15	1	300	1	1,420	1
DAD-23	1-Dec-21	44531	16	1	640	1	2,670	1
DAD-23	15-Mar-22	44635	15	1	620	1	2,550	1
DAD-23	25-May-22	44706	19	1	400	1	1,700	1
DAD-23	26-Aug-22	44799	19	1	320	1	1,620	1
DAD-23	5-Dec-22	44900	18	1	420	1	2,030	1
DAD-23	3-Mar-23	44988	20	1	550	1	2,070	1
DAD-23	26-May-23	45072	18	1	370	1	1,730	1
DAD-23	31-Aug-23	45169	18	1	570	1	2,360	1
DAD-23	6-Dec-23	45266	17	1	270	1	1,490	1
DAD-23	4-Mar-24	45355	15	1	260	1	1,400	1
DAD-23	10-Jun-24	45453	18	1	280	1	1,500	1
DAD-23	10-Sep-24	45545	19	1	280	1	1,500	1
DAD-23	5-Dec-24	45631	19	1	290	1	1,400	1
DAD-23	11-Mar-25	45727	18	1	330	1	1,500	1
DAD-24	1-Mar-16	42430	2.22	1	511	1	1,670	1
DAD-24	8-Jun-16	42529	2.55	1	482	1	1,620	1
DAD-24	9-Sep-16	42622	1.84	1	425	1	1,620	1
DAD-24	6-Dec-16	42710	6.19	1	938	1	2,630	1
DAD-24	13-Mar-17	42807	6.84	1	947	1	2,530	1
DAD-24	12-Jun-17	42898	6.94	1	969	1	2,630	1
DAD-24	29-Aug-17	42976	4.10	1	910	1	2,420	1
DAD-24	29-Nov-17	43068	6.25	1	994	1	2,220	1
DAD-24	28-Feb-18	43159	5.8	1	810	1	2,480	1
DAD-24	4-Jun-18	43255	6.5	1	960	1	2,570	1
DAD-24	31-Aug-18	43343	6.1	1	930	1	2,600	1
DAD-24	30-Nov-18	43434	6.5	1	940	1	2,560	1
DAD-24	11-Mar-19	43535	6.0	1	940	1	2,490	1
DAD-24	28-May-19	43613	6.1	1	980	1	2,590	1
DAD-24	20-Aug-19	43697	5.8	1	950	1	2,630	1
DAD-24	4-Dec-19	43803	6.2	1	950	1	2,550	1
DAD-24	25-Feb-20	43886	5.5	1	920	1	2,510	1
DAD-24	2-Jun-20	43984	5.5	1	910	1	2,650	1
DAD-24	2-Sep-20	44076	5.6	1	940	1	2,630	1
DAD-24	4-Dec-20	44169	5.4	1	920	1	2,600	1
DAD-24	3-Mar-21	44258	5.5	1	970	1	2,540	1
DAD-24	4-Jun-21	44351	5.6	1	1,000	1	2,560	1
DAD-24	1-Sep-21	44440	6.5	1	960	1	2,690	1
DAD-24	2-Dec-21	44532	5.4	1	980	1	2,610	1
DAD-24	17-Mar-22	44637	5.5	1	890	1	2,620	1
DAD-24	27-May-22	44708	5.9	1	1,000	1	2,610	1
DAD-24	1-Sep-22	44805	5.4	1	1,000	1	2,710	1
DAD-24	7-Dec-22	44902	5.7	1	940	1	2,780	1
DAD-24	7-Mar-23	44992	5.9	1	970	1	2,790	1
DAD-24	1-Jun-23	45078	6.0	1	990	1	2,790	1
DAD-24	11-Sep-23	45180	6.0	1	980	1	2,890	1
DAD-24	8-Dec-23	45268	6.2	1	1,100	1	2,850	1
DAD-24	7-Mar-24	45358	6.0	1	1,100	1	2,900	1
DAD-24	11-Jun-24	45454	6.1	1	1,100	1	3,100	1
DAD-24	12-Sep-24	45547	6.0	1	1,000	1	2,800	1
DAD-24	12-Mar-25	45728	6.1	1	1,100	1	2,800	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-25	22-Dec-15	42360	57.9	1	1,580	1	4,640	1
DAD-25	1-Mar-16	42430	52.5	1	1,380	1	4,020	1
DAD-25	6-Jun-16	42527	24.8	1	1,390	1	3,400	1
DAD-25	8-Sep-16	42621	32.6	1	1,420	1	4,010	1
DAD-25	2-Dec-16	42706	31.9	1	1,350	1	3,750	1
DAD-25	10-Mar-17	42804	22.5	1	954	1	2,920	1
DAD-25	8-Jun-17	42894	10.1	1	678	1	1,940	1
DAD-25	25-Aug-17	42972	20.1	1	414	1	1,660	1
DAD-25	27-Nov-17	43066	6.78	1	456	1	1,310	1
DAD-25	27-Feb-18	43158	6.3	1	490	1	1,480	1
DAD-25	4-Jun-18	43255	5.6	1	550	1	1,540	1
DAD-25	28-Aug-18	43340	5.0	1	510	1	1,800	1
DAD-25	29-Nov-18	43433	5.0	1	550	1	1,580	1
DAD-25	11-Mar-19	43535	4.8	1	560	1	1,570	1
DAD-25	28-May-19	43613	5.5	1	600	1	1,790	1
DAD-25	22-Aug-19	43699	5.6	1	600	1	1,830	1
DAD-25	6-Dec-19	43805	7.0	1	640	1	1,800	1
DAD-25	26-Feb-20	43887	7.6	1	760	1	2,100	1
DAD-25	2-Jun-20	43984	7.5	1	700	1	2,500	1
DAD-25	2-Sep-20	44076	7.4	1	760	1	2,180	1
DAD-25	3-Dec-20	44168	7.7	1	850	1	2,080	1
DAD-25	4-Mar-21	44259	8.2	1	880	1	2,030	1
DAD-25	7-Jun-21	44354	9.0	1	940	1	2,440	1
DAD-25	3-Sep-21	44442	9.5	1	140	1	880	1
DAD-25	7-Dec-21	44537	2.8	1	170	1	1,220	1
DAD-25	18-Mar-22	44638	3.4	1	120	1	840	1
DAD-25	1-Jun-22	44713	4.4	1	420	1	1,780	1
DAD-25	12-Sep-22	44816	4.8	1	550	1	1,820	1
DAD-25	8-Dec-22	44903	5.8	1	590	1	1,940	1
DAD-25	9-Mar-23	44994	7.7	1	740	1	1,740	1
DAD-25	5-Jun-23	45082	7.9	1	780	1	2,160	1
DAD-25	12-Sep-23	45181	7.6	1	800	1	2,380	1
DAD-25	13-Dec-23	45273	8.4	1	840	1	2,180	1
DAD-25	8-Mar-24	45359	9.3	1	900	1	2,200	1
DAD-25	12-Jun-24	45455	9.9	1	920	1	2,500	1
DAD-25	17-Sep-24	45552	9.2	1	1,000	1	2,700	1
DAD-25	10-Dec-24	45636	0.40	1	1,100	1	3,400	1
DAD-25	14-Mar-25	45730	9.6	1	1,200	1	2,600	1
DAD-26	22-Dec-15	42360	59.6	1	749	1	2,540	1
DAD-26	1-Mar-16	42430	61.1	1	837	1	2,760	1
DAD-26	6-Jun-16	42527	67.0	1	858	1	2,900	1
DAD-26	8-Sep-16	42621	63.2	1	1,030	1	3,210	1
DAD-26	6-Dec-16	42710	69.6	1	1,090	1	3,160	1
DAD-26	10-Mar-17	42804	66.3	1	1,110	1	3,280	1
DAD-26	9-Jun-17	42895	60.5	1	1,090	1	3,270	1
DAD-26	28-Aug-17	42975	59.8	1	1,090	1	3,110	1
DAD-26	28-Nov-17	43067	65.1	1	1,160	1	3,110	1
DAD-26	28-Feb-18	43159	59	1	940	1	3,000	1
DAD-26	4-Jun-18	43255	47	1	920	1	3,240	1
DAD-26	28-Aug-18	43340	110	1	870	1	3,020	1
DAD-26	30-Nov-18	43434	48	1	860	1	2,770	1
DAD-26	7-Mar-19	43531	50	1	800	1	2,670	1
DAD-26	28-May-19	43613	41	1	730	1	2,360	1
DAD-26	21-Aug-19	43698	43	1	700	1	2,410	1
DAD-26	6-Dec-19	43805	1.8	1	300	1	1,060	1
DAD-26	19-Feb-20	43880	16	1	480	1	1,680	1
DAD-26	3-Jun-20	43985	35	1	640	1	2,320	1
DAD-26	8-Sep-20	44082	38	1	640	1	2,270	1
DAD-26	7-Dec-20	44172	25	1	580	1	2,010	1
DAD-26	8-Mar-21	44263	6.8	1	810	1	2,460	1
DAD-26	28-May-21	44344	10	1	640	1	2,060	1
DAD-26	7-Sep-21	44446	3.8	1	560	1	1,820	1
DAD-26	8-Dec-21	44538	15	1	470	1	1,610	1
DAD-26	23-Mar-22	44643	22	1	560	1	1,790	1
DAD-26	2-Jun-22	44714	26	1	520	1	1,860	1
DAD-26	14-Sep-22	44818	26	1	490	1	1,940	1
DAD-26	12-Dec-22	44907	24	1	500	1	1,740	1
DAD-26	10-Mar-23	44995	23	1	720	1	2,070	1
DAD-26	6-Jun-23	45083	22	1	610	1	2,010	1
DAD-26	14-Sep-23	45183	16	1	930	1	3,030	1
DAD-26	15-Dec-23	45275	14	1	1,000	1	3,070	1
DAD-26	11-Mar-24	45362	24	1	970	1	2,700	1

ProUCL Input

Grouping	Date Sampled	Julian Date	N	D_N	CI	D_CI	TDS	D_TDS
DAD-26	14-Jun-24	45457	12	1	570	1	1,900	1
DAD-26	19-Sep-24	45554	14	1	570	1	2,100	1
DAD-26	12-Dec-24	45638	5.1	1	660	1	2,300	1
DAD-26	17-Mar-25	45733	2.8	1	450	1	1,400	1
DAD-27	12-Dec-22	44907	6.1	1	470	1	1,870	1
DAD-27	10-Mar-23	44995	5.9	1	460	1	1,900	1
DAD-27	6-Jun-23	45083	7.0	1	490	1	1,490	1
DAD-27	14-Sep-23	45183	6.8	1	450	1	2,100	1
DAD-27	14-Dec-23	45274	6.4	1	450	1	2,000	1
DAD-27	11-Mar-24	45362	7.0	1	470	1	2,000	1
DAD-27	14-Jun-24	45457	11	1	580	1	2,300	1
DAD-27	19-Sep-24	45554	7.6	1	470	1	2,000	1
DAD-27	12-Dec-24	45638	6.3	1	470	1	2,200	1
DAD-27	17-Mar-25	45733	6.3	1	460	1	1,800	1
MW-4	19-Jun-18	43270	4.6	1	1,200	1	980	1
MW-4	26-Nov-19	43795	0.39	1	1,400	1	4,800	1
MW-4	6-Mar-20	43896	<1.0	0	1,600	1	4,620	1
MW-4	26-May-20	43977	<1.0	0	1,400	1	4,460	1
MW-4	26-Aug-20	44069	1.2	1	1,500	1	4,640	1
MW-4	20-Nov-20	44155	1.1	1	1,500	1	4,550	1
MW-4	1-Mar-21	44256	1.5	1	1,600	1	4,820	1
MW-4	20-May-21	44336	2.2	1	1,300	1	3,980	1
MW-4	8-Sep-21	44447	1.8	1	1,400	1	4,270	1
MW-4	18-Nov-21	44518	2.7	1	1,200	1	3,860	1
MW-4	28-Feb-22	44620	1.3	1	1,300	1	4,150	1
MW-4	20-May-22	44701	1.5	1	1,300	1	4,170	1
MW-4	22-Aug-22	44795	1.3	1	1,800	1	5,140	1
MW-4	22-Nov-22	44887	<1.0	0	1,500	1	4,640	1
MW-4	24-Feb-23	44981	1.1	1	1,400	1	4,290	1
MW-4	18-May-23	45064	<1.0	0	1,500	1	4,700	1
MW-4	24-Aug-23	45162	1.2	1	1,200	1	4,010	1
MW-4	28-Nov-23	45258	1.1	1	1,400	1	4,310	1
MW-4	23-Feb-24	45345	1.1	1	1,300	1	3,950	1
MW-4	3-Jun-24	45446	<1.0	0	1,700	1	4,800	1
MW-4	3-Sep-24	45538	<1.0	0	1,200	1	4,400	1
MW-4	25-Nov-24	45621	<1.0	0	1,500	1	5,000	1
MW-4	4-Mar-25	45720	1.3	1	1,400	1	3,900	1

	A	B	C	D	E	F	G	H	I	J	K	L
1				Theil-Sen Trend Test Analysis								
2	User Selected Options											
3	Date/Time of Computation			ProUCL 5.2 4/17/2025 1:15:55 PM								
4	From File			Input.xls								
5	Full Precision			OFF								
6	Average Replicates			Replicates at sampling events will not be averaged!								
7	Confidence Coefficient			0.95								
8	Level of Significance			0.05								
9												
10	N-126-12											
11												
12	General Statistics											
13	Number of Events			39								
14	Number of Values Reported (n)			39								
15	Number of Replicates			1								
16	Minimum			2.8								
17	Maximum			19.4								
18	Mean			8.27								
19	Geometric Mean			7.036								
20	Median			6.7								
21	Standard Deviation			4.852								
22	Coefficient of Variation			0.587								
23												
24	Mann-Kendall Statistics											
25	M-K Test Value (S)			-365								
26	Critical Value (0.05)			-1.645								
27	Standard Deviation of S			82.58								
28	Standardized Value of S			-4.408								
29	Approximate p-value			5.2218E-6								
30												
31	Approximate inference for Theil-Sen Trend Test											
32	Number of Slopes			741								
33	Theil-Sen Slope			-0.00335								
34	Theil-Sen Intercept			154.4								
35	M2'			438.4								
36	One-sided 95% upper limit of Slope			-0.00229								
37	95% LCL of Slope (0.025)			-0.00453								
38	95% UCL of Slope (0.975)			-0.00205								
39												
40	Statistically significant evidence of a decreasing											
41	trend at the specified level of significance.											
42												
43	Theil-Sen Trend Test Estimates and Residuals											
44	#	Events	Values	Estimates	Residuals							
45	1	42317	10.8	12.53	-1.727							
46	2	42415	13.9	12.2	1.702							
47	3	42508	17.6	11.89	5.713							
48	4	42600	19.4	11.58	7.822							
49	5	42683	17.1	11.3	5.8							
50	6	42786	13	10.95	2.045							
51	7	42872	17.6	10.67	6.934							
52	8	42957	7.4	10.38	-2.981							
53	9	43047	3.26	10.08	-6.819							

	A	B	C	D	E	F	G	H	I	J	K	L
54	10	43140	3.9	9.768	-5.868							
55	11	43258	11	9.372	1.628							
56	12	43327	17	9.141	7.859							
57	13	43418	13	8.836	4.164							
58	14	43518	8.2	8.5	-0.3							
59	15	43599	8.1	8.229	-0.129							
60	16	43682	13	7.951	5.049							
61	17	43781	8.3	7.619	0.681							
62	18	43871	2.8	7.317	-4.517							
63	19	43965	6.4	7.002	-0.602							
64	20	44055	11	6.7	4.3							
65	21	44055	11	6.7	4.3							
66	22	44145	8.9	6.398	2.502							
67	23	44236	6	6.093	-0.0932							
68	24	44320	6.9	5.812	1.088							
69	25	44419	6.7	5.48	1.22							
70	26	44509	4.6	5.178	-0.578							
71	27	44616	4.6	4.819	-0.219							
72	28	44686	3.8	4.584	-0.784							
73	29	44790	3.8	4.236	-0.436							
74	30	44873	3.36	3.958	-0.598							
75	31	44937	4.3	3.743	0.557							
76	32	45070	3.2	3.297	-0.097							
77	33	45165	4.3	2.979	1.321							
78	34	45249	3.8	2.697	1.103							
79	35	45301	4.2	2.523	1.677							
80	36	45421	4.8	2.12	2.68							
81	37	45520	5.1	1.788	3.312							
82	38	45622	4.5	1.446	3.054							
83	39	45691	5.9	1.215	4.685							
84	N-126-13											
85												
86	General Statistics											
87	Number of Events				38							
88	Number of Values Reported (n)				38							
89	Number of Replicates				0							
90	Minimum				12							
91	Maximum				42							
92	Mean				23.22							
93	Geometric Mean				21.53							
94	Median				23.1							
95	Standard Deviation				9.181							
96	Coefficient of Variation				0.395							
97												
98	Mann-Kendall Statistics											
99	M-K Test Value (S)				-428							
100	Critical Value (0.05)				-1.645							
101	Standard Deviation of S				78.94							
102	Standardized Value of S				-5.409							
103	Approximate p-value				3.1695E-8							
104												
105	Approximate inference for Theil-Sen Trend Test											
106	Number of Slopes				703							

	A	B	C	D	E	F	G	H	I	J	K	L
107	Theil-Sen Slope				-0.00543							
108	Theil-Sen Intercept				262							
109	M2'				416.4							
110	One-sided 95% upper limit of Slope				-0.00429							
111	95% LCL of Slope (0.025)				-0.00833							
112	95% UCL of Slope (0.975)				-0.00414							
113												
114	Statistically significant evidence of a decreasing											
115	trend at the specified level of significance.											
116												
117	Theil-Sen Trend Test Estimates and Residuals											
118	#	Events	Values	Estimates	Residuals							
119	1	42317	29.6	32.29	-2.689							
120	2	42415	36.9	31.76	5.143							
121	3	42508	26.1	31.25	-5.152							
122	4	42600	23.4	30.75	-7.352							
123	5	42683	23.2	30.3	-7.102							
124	6	42783	23.8	29.76	-5.959							
125	7	42872	23.2	29.28	-6.076							
126	8	42957	24.4	28.81	-4.414							
127	9	43047	28.6	28.33	0.274							
128	10	43140	31	27.82	3.179							
129	11	43238	37	27.29	9.711							
130	12	43327	40	26.81	13.19							
131	13	43418	42	26.31	15.69							
132	14	43518	39	25.77	13.23							
133	15	43599	36	25.33	10.67							
134	16	43682	32	24.88	7.122							
135	17	43781	32	24.34	7.659							
136	18	43868	34	23.87	10.13							
137	19	43964	26	23.35	2.653							
138	20	44055	23	22.85	0.147							
139	21	44145	20	22.36	-2.364							
140	22	44236	19	21.87	-2.87							
141	23	44320	17	21.41	-4.414							
142	24	44419	18	20.88	-2.877							
143	25	44509	16	20.39	-4.388							
144	26	44616	15	19.81	-4.807							
145	27	44686	14	19.43	-5.427							
146	28	44790	14	18.86	-4.863							
147	29	44873	14	18.41	-4.412							
148	30	44937	14	18.06	-4.064							
149	31	45070	14	17.34	-3.342							
150	32	45165	14	16.83	-2.827							
151	33	45249	14	16.37	-2.371							
152	34	45301	15	16.09	-1.088							
153	35	45421	14	15.44	-1.437							
154	36	45520	13	14.9	-1.899							
155	37	45622	12	14.35	-2.345							
156	38	45691	14	13.97	0.0292							
157	N-257-01											
158												
159	General Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
160	Number of Events				38							
161	Number of Values Reported (n)				38							
162	Number of Replicates				0							
163	Minimum				30							
164	Maximum				51.9							
165	Mean				38.95							
166	Geometric Mean				38.35							
167	Median				36							
168	Standard Deviation				7.039							
169	Coefficient of Variation				0.181							
170												
171	Mann-Kendall Statistics											
172	M-K Test Value (S)				-434							
173	Critical Value (0.05)				-1.645							
174	Standard Deviation of S				79.31							
175	Standardized Value of S				-5.46							
176	Approximate p-value				2.3819E-8							
177												
178	Approximate inference for Theil-Sen Trend Test											
179	Number of Slopes				703							
180	Theil-Sen Slope				-0.00591							
181	Theil-Sen Intercept				296.3							
182	M2'				416.7							
183	One-sided 95% upper limit of Slope				-0.00492							
184	95% LCL of Slope (0.025)				-0.00726							
185	95% UCL of Slope (0.975)				-0.0047							
186												
187	Statistically significant evidence of a decreasing											
188	trend at the specified level of significance.											
189												
190	Theil-Sen Trend Test Estimates and Residuals											
191	#	Events	Values	Estimates	Residuals							
192	1	42327	49.1	46.03	3.073							
193	2	42422	51.9	45.46	6.435							
194	3	42516	47.7	44.91	2.791							
195	4	42607	48.7	44.37	4.329							
196	5	42690	44.4	43.88	0.52							
197	6	42796	45.5	43.25	2.247							
198	7	42886	49.3	42.72	6.579							
199	8	42965	48.5	42.25	6.246							
200	9	43055	51.1	41.72	9.379							
201	10	43151	50	41.15	8.846							
202	11	43243	42	40.61	1.39							
203	12	43335	43	40.07	2.934							
204	13	43431	45	39.5	5.502							
205	14	43525	42	38.94	3.058							
206	15	43606	41	38.46	2.537							
207	16	43683	43	38.01	4.992							
208	17	43790	35	37.37	-2.375							
209	18	43879	31	36.85	-5.849							
210	19	43977	36	36.27	-0.269							
211	20	44068	39	35.73	3.269							
212	21	44155	35	35.22	-0.216							

	A	B	C	D	E	F	G	H	I	J	K	L
213	22	44252	32	34.64	-2.643							
214	23	44336	30	34.15	-4.146							
215	24	44447	36	33.49	2.51							
216	25	44517	34	33.08	0.924							
217	26	44620	35	32.47	2.533							
218	27	44700	33	31.99	1.006							
219	28	44792	35	31.45	3.551							
220	29	44887	30	30.89	-0.888							
221	30	44981	30	30.33	-0.332							
222	31	45063	31	29.85	1.153							
223	32	45162	34	29.26	4.739							
224	33	45258	32	28.69	3.306							
225	34	45345	33	28.18	4.821							
226	35	45446	36	27.58	8.418							
227	36	45538	35	27.04	7.962							
228	37	45618	33	26.56	6.435							
229	38	45719	33	25.97	7.032							
230	N-257-02											
231												
232	General Statistics											
233	Number of Events				38							
234	Number of Values Reported (n)				38							
235	Number of Replicates				0							
236	Minimum				3.2							
237	Maximum				39							
238	Mean				10.04							
239	Geometric Mean				8.795							
240	Median				9.35							
241	Standard Deviation				6.148							
242	Coefficient of Variation				0.612							
243												
244	Mann-Kendall Statistics											
245	M-K Test Value (S)				-212							
246	Critical Value (0.05)				-1.645							
247	Standard Deviation of S				79.45							
248	Standardized Value of S				-2.656							
249	Approximate p-value				0.00396							
250												
251	Approximate inference for Theil-Sen Trend Test											
252	Number of Slopes				703							
253	Theil-Sen Slope				-0.00173							
254	Theil-Sen Intercept				85.43							
255	M2'				416.8							
256	One-sided 95% upper limit of Slope				-5.529E-4							
257	95% LCL of Slope (0.025)				-0.00276							
258	95% UCL of Slope (0.975)				-3.627E-4							
259												
260	Statistically significant evidence of a decreasing											
261	trend at the specified level of significance.											
262												
263	Theil-Sen Trend Test Estimates and Residuals											
264	#	Events	Values	Estimates	Residuals							
265	1	42327	12.2	12.28	-0.0809							

	A	B	C	D	E	F	G	H	I	J	K	L
266	2	42422	4.98	12.12	-7.137							
267	3	42516	7.28	11.95	-4.674							
268	4	42607	4.62	11.8	-7.177							
269	5	42690	10.2	11.65	-1.454							
270	6	42796	16.2	11.47	4.73							
271	7	42886	10	11.31	-1.315							
272	8	42965	10.3	11.18	-0.878							
273	9	43055	14	11.02	2.977							
274	10	43151	14	10.86	3.143							
275	11	43243	14	10.7	3.302							
276	12	43335	14	10.54	3.461							
277	13	43431	9.1	10.37	-1.273							
278	14	43525	8.7	10.21	-1.511							
279	15	43606	10	10.07	-0.0706							
280	16	43683	9.3	9.938	-0.638							
281	17	43790	5.3	9.753	-4.453							
282	18	43879	7.1	9.599	-2.499							
283	19	43977	11	9.429	1.571							
284	20	44069	12	9.271	2.729							
285	21	44155	12	9.122	2.878							
286	22	44256	13	8.947	4.053							
287	23	44335	10	8.811	1.189							
288	24	44447	20	8.617	11.38							
289	25	44518	39	8.495	30.51							
290	26	44620	9.4	8.318	1.082							
291	27	44700	6.9	8.18	-1.28							
292	28	44792	6.4	8.021	-1.621							
293	29	44887	11	7.857	3.143							
294	30	44981	6.7	7.694	-0.994							
295	31	45064	4.6	7.551	-2.951							
296	32	45162	4.5	7.382	-2.882							
297	33	45258	8.6	7.216	1.384							
298	34	45345	3.8	7.065	-3.265							
299	35	45446	6.3	6.891	-0.591							
300	36	45538	3.2	6.732	-3.532							
301	37	45621	3.7	6.588	-2.888							
302	38	45719	8.3	6.419	1.881							
303	N-340-01											
304												
305	General Statistics											
306	Number of Events				38							
307	Number of Values Reported (n)				38							
308	Number of Replicates				0							
309	Minimum				29.8							
310	Maximum				68							
311	Mean				48.87							
312	Geometric Mean				47.79							
313	Median				46.25							
314	Standard Deviation				10.48							
315	Coefficient of Variation				0.214							
316												
317	Mann-Kendall Statistics											
318	M-K Test Value (S)				455							

	A	B	C	D	E	F	G	H	I	J	K	L
319	Critical Value (0.05)				1.645							
320	Standard Deviation of S				79.38							
321	Standardized Value of S				5.719							
322	Approximate p-value				5.3448E-9							
323												
324	Approximate inference for Theil-Sen Trend Test											
325	Number of Slopes				703							
326	Theil-Sen Slope				0.00925							
327	Theil-Sen Intercept				-360.8							
328	M1'				286.2							
329	One-sided 95% lower limit of Slope				0.00773							
330	95% LCL of Slope (0.025)				0.0074							
331	95% UCL of Slope (0.975)				0.0108							
332												
333	Statistically significant evidence of an increasing											
334	trend at the specified level of significance.											
335												
336	Theil-Sen Trend Test Estimates and Residuals											
337	#	Events	Values	Estimates	Residuals							
338	1	42317	29.8	30.59	-0.788							
339	2	42411	34	31.46	2.543							
340	3	42508	32.6	32.35	0.246							
341	4	42605	35.3	33.25	2.049							
342	5	42684	38.2	33.98	4.218							
343	6	42782	40.3	34.89	5.412							
344	7	42873	40.7	35.73	4.97							
345	8	42958	46.5	36.52	9.984							
346	9	43047	46.5	37.34	9.161							
347	10	43143	44	38.23	5.773							
348	11	43241	44	39.13	4.867							
349	12	43326	45	39.92	5.081							
350	13	43419	49	40.78	8.221							
351	14	43521	50	41.72	8.277							
352	15	43599	49	42.44	6.556							
353	16	43683	48	43.22	4.779							
354	17	43781	46	44.13	1.873							
355	18	43868	46	44.93	1.068							
356	19	43965	42	45.83	-3.829							
357	20	44056	42	46.67	-4.671							
358	21	44146	41	47.5	-6.503							
359	22	44242	42	48.39	-6.391							
360	23	44322	41	49.13	-8.131							
361	24	44417	46	50.01	-4.01							
362	25	44504	46	50.81	-4.814							
363	26	44606	48	51.76	-3.758							
364	27	44686	47	52.5	-5.497							
365	28	44861	58	54.12	3.884							
366	29	44873	60	54.23	5.773							
367	30	44965	61	55.08	5.922							
368	31	45051	62	55.87	6.127							
369	32	45146	65	56.75	8.248							
370	33	45238	67	57.6	9.397							
371	34	45331	64	58.46	5.537							

	A	B	C	D	E	F	G	H	I	J	K	L
372	35	45425	68	59.33	8.668							
373	36	45523	64	60.24	3.762							
374	37	45607	64	61.02	2.985							
375	38	45706	64	61.93	2.069							
376	N-42-02											
377												
378	General Statistics											
379	Number of Events				38							
380	Number of Values Reported (n)				38							
381	Number of Replicates				0							
382	Minimum				4.7							
383	Maximum				14.8							
384	Mean				8.551							
385	Geometric Mean				8.285							
386	Median				8.3							
387	Standard Deviation				2.18							
388	Coefficient of Variation				0.255							
389												
390	Mann-Kendall Statistics											
391	M-K Test Value (S)				-286							
392	Critical Value (0.05)				-1.645							
393	Standard Deviation of S				79.45							
394	Standardized Value of S				-3.587							
395	Approximate p-value				1.6709E-4							
396												
397	Approximate inference for Theil-Sen Trend Test											
398	Number of Slopes				703							
399	Theil-Sen Slope				-0.00119							
400	Theil-Sen Intercept				60.65							
401	M2'				416.8							
402	One-sided 95% upper limit of Slope				-8.025E-4							
403	95% LCL of Slope (0.025)				-0.00195							
404	95% UCL of Slope (0.975)				-6.941E-4							
405												
406	Statistically significant evidence of a decreasing											
407	trend at the specified level of significance.											
408												
409	Theil-Sen Trend Test Estimates and Residuals											
410	#	Events	Values	Estimates	Residuals							
411	1	42339	7.55	10.3	-2.746							
412	2	42423	9.1	10.2	-1.096							
413	3	42522	8.79	10.08	-1.288							
414	4	42613	12.8	9.97	2.83							
415	5	42702	11.1	9.864	1.236							
416	6	42800	12.3	9.747	2.553							
417	7	42888	11	9.643	1.357							
418	8	42969	14.8	9.546	5.254							
419	9	43070	10.2	9.426	0.774							
420	10	43152	8.1	9.329	-1.229							
421	11	43249	7.6	9.213	-1.613							
422	12	43334	7.3	9.112	-1.812							
423	13	43438	7.8	8.989	-1.189							
424	14	43530	7	8.879	-1.879							

	A	B	C	D	E	F	G	H	I	J	K	L
425	15	43614	7.4	8.779	-1.379							
426	16	43693	9.3	8.685	0.615							
427	17	43791	9.1	8.569	0.531							
428	18	43872	10	8.472	1.528							
429	19	43973	10	8.352	1.648							
430	20	44061	8.5	8.248	0.252							
431	21	44151	7.5	8.141	-0.641							
432	22	44245	7.1	8.029	-0.929							
433	23	44327	7.3	7.931	-0.631							
434	24	44419	11	7.822	3.178							
435	25	44509	6.6	7.715	-1.115							
436	26	44608	7.3	7.597	-0.297							
437	27	44692	10	7.497	2.503							
438	28	44784	9.4	7.388	2.012							
439	29	44875	9.1	7.28	1.82							
440	30	44970	9.2	7.167	2.033							
441	31	45056	8.8	7.064	1.736							
442	32	45152	8.1	6.95	1.15							
443	33	45246	7.4	6.838	0.562							
444	34	45336	6.1	6.731	-0.631							
445	35	45429	5	6.621	-1.621							
446	36	45526	5.6	6.505	-0.905							
447	37	45610	5	6.405	-1.405							
448	38	45712	4.7	6.284	-1.584							
449	N-42-03											
450												
451	General Statistics											
452	Number of Events				38							
453	Number of Values Reported (n)				38							
454	Number of Replicates				0							
455	Minimum				26							
456	Maximum				97.9							
457	Mean				41.42							
458	Geometric Mean				38.81							
459	Median				36							
460	Standard Deviation				17.94							
461	Coefficient of Variation				0.433							
462												
463	Mann-Kendall Statistics											
464	M-K Test Value (S)				-194							
465	Critical Value (0.05)				-1.645							
466	Standard Deviation of S				79.39							
467	Standardized Value of S				-2.431							
468	Approximate p-value				0.00752							
469												
470	Approximate inference for Theil-Sen Trend Test											
471	Number of Slopes				703							
472	Theil-Sen Slope				-0.00568							
473	Theil-Sen Intercept				286.1							
474	M2'				416.8							
475	One-sided 95% upper limit of Slope				-0.00201							
476	95% LCL of Slope (0.025)				-0.011							
477	95% UCL of Slope (0.975)				-0.00129							

	A	B	C	D	E	F	G	H	I	J	K	L
478												
479	Statistically significant evidence of a decreasing											
480	trend at the specified level of significance.											
481												
482	Theil-Sen Trend Test Estimates and Residuals											
483	#	Events	Values	Estimates	Residuals							
484	1	42339	97.9	45.53	52.37							
485	2	42423	68	45.05	22.95							
486	3	42522	90	44.49	45.51							
487	4	42613	93.5	43.97	49.53							
488	5	42702	50.2	43.47	6.734							
489	6	42800	49.2	42.91	6.291							
490	7	42888	57.1	42.41	14.69							
491	8	42970	54.5	41.94	12.56							
492	9	43070	43.6	41.38	2.225							
493	10	43152	36	40.91	-4.909							
494	11	43249	43	40.36	2.642							
495	12	43334	40	39.88	0.125							
496	13	43438	41	39.28	1.716							
497	14	43530	32	38.76	-6.761							
498	15	43615	30	38.28	-8.278							
499	16	43693	34	37.84	-3.835							
500	17	43791	29	37.28	-8.278							
501	18	43872	26	36.82	-10.82							
502	19	43971	28	36.26	-8.256							
503	20	44061	30	35.74	-5.744							
504	21	44151	30	35.23	-5.233							
505	22	44244	29	34.7	-5.705							
506	23	44327	28	34.23	-6.233							
507	24	44418	28	33.72	-5.716							
508	25	44508	31	33.2	-2.205							
509	26	44608	31	32.64	-1.636							
510	27	44691	33	32.16	0.835							
511	28	44783	34	31.64	2.358							
512	29	44874	33	31.13	1.875							
513	30	44967	31	30.6	0.403							
514	31	45055	34	30.1	3.903							
515	32	45149	36	29.56	6.438							
516	33	45246	38	29.01	8.989							
517	34	45335	37	28.51	8.494							
518	35	45429	37	27.97	9.028							
519	36	45525	36	27.43	8.574							
520	37	45609	37	26.95	10.05							
521	38	45709	38	26.38	11.62							
522	N-42-06											
523												
524	General Statistics											
525	Number of Events				38							
526	Number of Values Reported (n)				38							
527	Number of Replicates				0							
528	Minimum				38							
529	Maximum				230							
530	Mean				119.7							

	A	B	C	D	E	F	G	H	I	J	K	L
531	Geometric Mean				106.2							
532	Median				121.5							
533	Standard Deviation				54.81							
534	Coefficient of Variation				0.458							
535												
536	Mann-Kendall Statistics											
537	M-K Test Value (S)				-45							
538	Critical Value (0.05)				-1.645							
539	Standard Deviation of S				79.45							
540	Standardized Value of S				-0.554							
541	Approximate p-value				0.29							
542												
543	Approximate inference for Theil-Sen Trend Test											
544	Number of Slopes				703							
545	Theil-Sen Slope				-0.00555							
546	Theil-Sen Intercept				365.7							
547	M1				273.6							
548	M2				429.4							
549	95% LCL of Slope (0.025)				-0.0264							
550	95% UCL of Slope (0.975)				0.0256							
551												
552	Insufficient evidence to identify a significant											
553	trend at the specified level of significance.											
554												
555	Theil-Sen Trend Test Estimates and Residuals											
556	#	Events	Values	Estimates	Residuals							
557	1	42339	84.5	130.8	-46.31							
558	2	42423	60	130.3	-70.34							
559	3	42522	87.7	129.8	-42.09							
560	4	42613	67.9	129.3	-61.39							
561	5	42702	66.9	128.8	-61.89							
562	6	42800	102	128.3	-26.25							
563	7	42888	98.1	127.8	-29.66							
564	8	42969	123	127.3	-4.313							
565	9	43070	129	126.8	2.247							
566	10	43152	140	126.3	13.7							
567	11	43249	160	125.8	34.24							
568	12	43334	140	125.3	14.71							
569	13	43438	97	124.7	-27.71							
570	14	43530	130	124.2	5.799							
571	15	43615	140	123.7	16.27							
572	16	43693	150	123.3	26.7							
573	17	43791	180	122.8	57.25							
574	18	43873	150	122.3	27.7							
575	19	43973	200	121.7	78.26							
576	20	44061	150	121.3	28.74							
577	21	44151	190	120.8	69.24							
578	22	44245	230	120.2	109.8							
579	23	44327	210	119.8	90.22							
580	24	44419	200	119.3	80.73							
581	25	44508	200	118.8	81.22							
582	26	44609	170	118.2	51.78							
583	27	44691	170	117.8	52.24							

	A	B	C	D	E	F	G	H	I	J	K	L
584	28	44783	91	117.3	-26.25							
585	29	44874	82	116.7	-34.75							
586	30	44967	120	116.2	3.77							
587	31	45055	91	115.7	-24.74							
588	32	45149	60	115.2	-55.22							
589	33	45246	66	114.7	-48.68							
590	34	45335	47	114.2	-67.19							
591	35	45429	43	113.7	-70.67							
592	36	45525	44	113.1	-69.13							
593	37	45609	40	112.7	-72.67							
594	38	45709	38	112.1	-74.11							
595	N-42-08											
596												
597	General Statistics											
598	Number of Events				35							
599	Number of Values Reported (n)				35							
600	Number of Replicates				0							
601	Minimum				5.5							
602	Maximum				60							
603	Mean				31.86							
604	Geometric Mean				28.6							
605	Median				35							
606	Standard Deviation				12.69							
607	Coefficient of Variation				0.398							
608												
609	Mann-Kendall Statistics											
610	M-K Test Value (S)				-109							
611	Critical Value (0.05)				-1.645							
612	Standard Deviation of S				70.35							
613	Standardized Value of S				-1.535							
614	Approximate p-value				0.0624							
615												
616	Approximate inference for Theil-Sen Trend Test											
617	Number of Slopes				595							
618	Theil-Sen Slope				-0.0044							
619	Theil-Sen Intercept				229.2							
620	M1				228.6							
621	M2				366.4							
622	95% LCL of Slope (0.025)				-0.0102							
623	95% UCL of Slope (0.975)				0.00106							
624												
625	Insufficient evidence to identify a significant											
626	trend at the specified level of significance.											
627												
628	Theil-Sen Trend Test Estimates and Residuals											
629	#	Events	Values	Estimates	Residuals							
630	1	42613	40.6	41.76	-1.164							
631	2	42702	37	41.37	-4.372							
632	3	42800	36.8	40.94	-4.141							
633	4	42888	32.3	40.55	-8.254							
634	5	42969	30.6	40.2	-9.598							
635	6	43071	24	39.75	-15.75							
636	7	43152	20	39.39	-19.39							

	A	B	C	D	E	F	G	H	I	J	K	L
637	8	43249	27	38.97	-11.97							
638	9	43334	29	38.59	-9.593							
639	10	43438	36	38.14	-2.136							
640	11	43530	49	37.73	11.27							
641	12	43614	60	37.36	22.64							
642	13	43693	42	37.01	4.986							
643	14	43791	35	36.58	-1.583							
644	15	43873	40	36.22	3.777							
645	16	43973	42	35.78	6.217							
646	17	44061	17	35.4	-18.4							
647	18	44151	42	35	7							
648	19	44245	35	34.59	0.413							
649	20	44327	40	34.23	5.774							
650	21	44419	36	33.82	2.179							
651	22	44509	32	33.43	-1.426							
652	23	44609	25	32.99	-7.986							
653	24	44692	24	32.62	-8.621							
654	25	44783	19	32.22	-13.22							
655	26	44874	16	31.82	-15.82							
656	27	44970	22	31.4	-9.398							
657	28	45056	11	31.02	-20.02							
658	29	45152	21	30.6	-9.598							
659	30	45246	7.3	30.18	-22.88							
660	31	45335	49	29.79	19.21							
661	32	45429	52	29.38	22.62							
662	33	45526	5.5	28.95	-23.45							
663	34	45609	41	28.59	12.41							
664	35	45709	39	28.15	10.85							
665	N-42-10											
666												
667	General Statistics											
668	Number of Events				26							
669	Number Values Observations				37							
670	Number Values Missing				11							
671	Number of Values Reported (n)				26							
672	Number of Replicates				0							
673	Minimum				0.165							
674	Maximum				39							
675	Mean				4.675							
676	Geometric Mean				2.095							
677	Median				2.55							
678	Standard Deviation				7.529							
679	Coefficient of Variation				1.611							
680												
681	Mann-Kendall Statistics											
682	M-K Test Value (S)				255							
683	Critical Value (0.05)				1.645							
684	Standard Deviation of S				45.37							
685	Standardized Value of S				5.599							
686	Approximate p-value				1.0807E-8							
687												
688	Approximate inference for Theil-Sen Trend Test											
689	Number of Slopes				325							

	A	B	C	D	E	F	G	H	I	J	K	L
690	Theil-Sen Slope				0.00282							
691	Theil-Sen Intercept				-122.3							
692	M1'				125.2							
693	One-sided 95% lower limit of Slope				0.00226							
694	95% LCL of Slope (0.025)				0.00209							
695	95% UCL of Slope (0.975)				0.00364							
696												
697	Statistically significant evidence of an increasing											
698	trend at the specified level of significance.											
699												
700	Theil-Sen Trend Test Estimates and Residuals											
701	#	Events	Values	Estimates	Residuals							
702	1	42339	0.165	-2.938	3.103							
703	2	42522	0.354	-2.422	2.776							
704	3	42703	1.45	-1.912	3.362							
705	4	42800	0.542	-1.638	2.18							
706	5	42888	0.429	-1.39	1.819							
707	6	42970	0.469	-1.159	1.628							
708	7	43073	0.592	-0.869	1.461							
709	8	43250	0.21	-0.37	0.58							
710	9	43794	0.84	1.163	-0.323							
711	10	43873	1.2	1.386	-0.186							
712	11	43973	1.3	1.668	-0.368							
713	12	44148	1.4	2.161	-0.761							
714	13	44244	2.1	2.432	-0.332							
715	14	44328	3	2.668	0.332							
716	15	44420	3.8	2.928	0.872							
717	16	44509	4.5	3.179	1.321							
718	17	44607	6.1	3.455	2.645							
719	18	44692	6.4	3.694	2.706							
720	19	44784	6.7	3.954	2.746							
721	20	44875	7.4	4.21	3.19							
722	21	44971	6.3	4.481	1.819							
723	22	45057	7.9	4.723	3.177							
724	23	45154	7.6	4.996	2.604							
725	24	45336	5.8	5.509	0.291							
726	25	45526	39	6.045	32.96							
727	26	45610	6	6.282	-0.282							
728	N-42-11											
729												
730	General Statistics											
731	Number of Events				22							
732	Number Values Observations				37							
733	Number Values Missing				15							
734	Number of Values Reported (n)				22							
735	Number of Replicates				0							
736	Minimum				1.1							
737	Maximum				33							
738	Mean				3.267							
739	Geometric Mean				1.835							
740	Median				1.39							
741	Standard Deviation				6.782							
742	Coefficient of Variation				2.076							

	A	B	C	D	E	F	G	H	I	J	K	L
743												
744	Mann-Kendall Statistics											
745	M-K Test Value (S)				29							
746	Tabulated p-value				0.217							
747	Standard Deviation of S				35.19							
748	Standardized Value of S				0.796							
749	Approximate p-value				0.213							
750												
751	Approximate inference for Theil-Sen Trend Test											
752	Number of Slopes				231							
753	Theil-Sen Slope				5.8725E-5							
754	Theil-Sen Intercept				-1.152							
755	M1				81.01							
756	M2				150							
757	95% LCL of Slope (0.025)				-1.381E-4							
758	95% UCL of Slope (0.975)				5.5850E-4							
759												
760	Insufficient evidence to identify a significant											
761	trend at the specified level of significance.											
762												
763	Theil-Sen Trend Test Estimates and Residuals											
764	#	Events	Values	Estimates	Residuals							
765	1	42339	1.16	1.334	-0.174							
766	2	42423	1.23	1.339	-0.109							
767	3	42522	1.34	1.345	-0.00478							
768	4	42614	1.23	1.35	-0.12							
769	5	42703	2.39	1.355	1.035							
770	6	42797	1.66	1.361	0.299							
771	7	42888	1.38	1.366	0.0137							
772	8	42970	1.72	1.371	0.349							
773	9	43073	1.66	1.377	0.283							
774	10	43150	1.4	1.382	0.0183							
775	11	43250	1.4	1.388	0.0125							
776	12	43334	1.4	1.392	0.00753							
777	13	43438	1.3	1.399	-0.0986							
778	14	43530	1.3	1.404	-0.104							
779	15	43615	1.3	1.409	-0.109							
780	16	43696	1.2	1.414	-0.214							
781	17	43794	1.4	1.419	-0.0195							
782	18	43873	1.3	1.424	-0.124							
783	19	43973	1.1	1.43	-0.33							
784	20	45336	6.2	1.51	4.69							
785	21	45526	33	1.521	31.48							
786	22	45610	5.8	1.526	4.274							
787	N-42-12											
788												
789	General Statistics											
790	Number of Events				26							
791	Number Values Observations				37							
792	Number Values Missing				11							
793	Number of Values Reported (n)				26							
794	Number of Replicates				0							
795	Minimum				0.684							

	A	B	C	D	E	F	G	H	I	J	K	L
796	Maximum				38							
797	Mean				2.785							
798	Geometric Mean				1.406							
799	Median				1.1							
800	Standard Deviation				7.231							
801	Coefficient of Variation				2.597							
802												
803	Mann-Kendall Statistics											
804	M-K Test Value (S)				191							
805	Critical Value (0.05)				1.645							
806	Standard Deviation of S				45.27							
807	Standardized Value of S				4.197							
808	Approximate p-value				1.3539E-5							
809												
810	Approximate inference for Theil-Sen Trend Test											
811	Number of Slopes				325							
812	Theil-Sen Slope				4.4843E-4							
813	Theil-Sen Intercept				-18.56							
814	M1'				125.3							
815	One-sided 95% lower limit of Slope				3.2744E-4							
816	95% LCL of Slope (0.025)				2.9106E-4							
817	95% UCL of Slope (0.975)				5.9438E-4							
818												
819	Statistically significant evidence of an increasing											
820	trend at the specified level of significance.											
821												
822	Theil-Sen Trend Test Estimates and Residuals											
823	#	Events	Values	Estimates	Residuals							
824	1	42339	0.917	0.43	0.487							
825	2	42423	0.789	0.467	0.322							
826	3	42522	0.949	0.512	0.437							
827	4	42614	0.731	0.553	0.178							
828	5	42703	1.84	0.593	1.247							
829	6	42800	1.07	0.637	0.433							
830	7	42888	0.913	0.676	0.237							
831	8	42970	0.684	0.713	-0.0288							
832	9	43073	0.825	0.759	0.066							
833	10	43250	0.78	0.838	-0.0583							
834	11	43334	1	0.876	0.124							
835	12	43615	1	1.002	-0.00202							
836	13	43794	1.1	1.082	0.0177							
837	14	43873	1.3	1.118	0.182							
838	15	43973	1.1	1.163	-0.0626							
839	16	44148	1.3	1.241	0.059							
840	17	44244	1.7	1.284	0.416							
841	18	44328	1.7	1.322	0.378							
842	19	44420	1.6	1.363	0.237							
843	20	44509	1.8	1.403	0.397							
844	21	44609	1.9	1.448	0.452							
845	22	44692	1.6	1.485	0.115							
846	23	44784	1	1.526	-0.526							
847	24	44971	1.8	1.61	0.19							
848	25	45526	38	1.859	36.14							

	A	B	C	D	E	F	G	H	I	J	K	L
849	26	45610	5	1.897	3.103							
850	N-42-13											
851												
852	General Statistics											
853	Number of Events				29							
854	Number of Values Reported (n)				29							
855	Number of Replicates				0							
856	Minimum				11							
857	Maximum				69							
858	Mean				34.9							
859	Geometric Mean				30.96							
860	Median				38							
861	Standard Deviation				15.8							
862	Coefficient of Variation				0.453							
863												
864	Mann-Kendall Statistics											
865	M-K Test Value (S)				-175							
866	Critical Value (0.05)				-1.645							
867	Standard Deviation of S				53.18							
868	Standardized Value of S				-3.272							
869	Approximate p-value				5.3437E-4							
870												
871	Approximate inference for Theil-Sen Trend Test											
872	Number of Slopes				406							
873	Theil-Sen Slope				-0.00915							
874	Theil-Sen Intercept				444.5							
875	M2'				246.7							
876	One-sided 95% upper limit of Slope				-0.00332							
877	95% LCL of Slope (0.025)				-0.0155							
878	95% UCL of Slope (0.975)				-0.00289							
879												
880	Statistically significant evidence of a decreasing											
881	trend at the specified level of significance.											
882												
883	Theil-Sen Trend Test Estimates and Residuals											
884	#	Events	Values	Estimates	Residuals							
885	1	42702	43.5	53.71	-10.21							
886	2	42800	43.6	52.82	-9.216							
887	3	43070	48	50.35	-2.345							
888	4	43152	57	49.59	7.405							
889	5	43249	61	48.71	12.29							
890	6	43334	43	47.93	-4.929							
891	7	43530	54	46.14	7.865							
892	8	43791	33	43.75	-10.75							
893	9	43872	41	43.01	-2.006							
894	10	43973	42	42.08	-0.0815							
895	11	44061	69	41.28	27.72							
896	12	44151	48	40.45	7.547							
897	13	44244	39	39.6	-0.601							
898	14	44327	20	38.84	-18.84							
899	15	44419	20	38	-18							
900	16	44508	16	37.19	-21.19							
901	17	44608	16	36.27	-20.27							

	A	B	C	D	E	F	G	H	I	J	K	L
902	18	44691	21	35.51	-14.51							
903	19	44783	16	34.67	-18.67							
904	20	44874	16	33.84	-17.84							
905	21	44967	15	32.99	-17.99							
906	22	45055	11	32.18	-21.18							
907	23	45149	36	31.32	4.68							
908	24	45246	38	30.43	7.568							
909	25	45335	37	29.62	7.383							
910	26	45429	36	28.76	7.243							
911	27	45525	41	27.88	13.12							
912	28	45609	39	27.11	11.89							
913	29	45709	12	26.19	-14.19							
914	N-624-01											
915												
916	General Statistics											
917	Number of Events				38							
918	Number of Values Reported (n)				38							
919	Number of Replicates				0							
920	Minimum				3.1							
921	Maximum				28							
922	Mean				12.67							
923	Geometric Mean				11.23							
924	Median				12							
925	Standard Deviation				5.973							
926	Coefficient of Variation				0.472							
927												
928	Mann-Kendall Statistics											
929	M-K Test Value (S)				127							
930	Critical Value (0.05)				1.645							
931	Standard Deviation of S				79.4							
932	Standardized Value of S				1.587							
933	Approximate p-value				0.0563							
934												
935	Approximate inference for Theil-Sen Trend Test											
936	Number of Slopes				703							
937	Theil-Sen Slope				0.0018							
938	Theil-Sen Intercept				-67.35							
939	M1				273.7							
940	M2				429.3							
941	95% LCL of Slope (0.025)				-4.088E-4							
942	95% UCL of Slope (0.975)				0.00376							
943												
944	Insufficient evidence to identify a significant											
945	trend at the specified level of significance.											
946												
947	Theil-Sen Trend Test Estimates and Residuals											
948	#	Events	Values	Estimates	Residuals							
949	1	42318	7.06	8.944	-1.884							
950	2	42416	11	9.121	1.879							
951	3	42509	20.6	9.288	11.31							
952	4	42601	7.25	9.454	-2.204							
953	5	42688	11.3	9.611	1.689							
954	6	42788	15.3	9.791	5.509							

	A	B	C	D	E	F	G	H	I	J	K	L
955	7	42878	14.6	9.954	4.646							
956	8	42962	14.8	10.11	4.695							
957	9	43053	12.7	10.27	2.431							
958	10	43145	13	10.44	2.565							
959	11	43242	13	10.61	2.39							
960	12	43341	9.9	10.79	-0.888							
961	13	43424	16	10.94	5.062							
962	14	43524	11	11.12	-0.118							
963	15	43605	12	11.26	0.736							
964	16	43690	9.2	11.42	-2.218							
965	17	43784	13	11.59	1.413							
966	18	43873	8.7	11.75	-3.048							
967	19	43966	6.6	11.92	-5.315							
968	20	44060	3.7	12.08	-8.385							
969	21	44148	4.3	12.24	-7.943							
970	22	44245	3.1	12.42	-9.318							
971	23	44330	6.7	12.57	-5.872							
972	24	44435	10	12.76	-2.761							
973	25	44510	4.5	12.9	-8.396							
974	26	44610	6.1	13.08	-6.976							
975	27	44693	19	13.23	5.774							
976	28	44785	12	13.39	-1.392							
977	29	44876	12	13.56	-1.556							
978	30	44973	13	13.73	-0.731							
979	31	45058	12	13.88	-1.884							
980	32	45155	18	14.06	3.941							
981	33	45240	17	14.21	2.788							
982	34	45337	17	14.39	2.613							
983	35	45432	17	14.56	2.442							
984	36	45532	24	14.74	9.261							
985	37	45611	28	14.88	13.12							
986	38	45713	27	15.06	11.94							
987	N-624-02											
988												
989	General Statistics											
990	Number of Events				38							
991	Number of Values Reported (n)				38							
992	Number of Replicates				0							
993	Minimum				3.6							
994	Maximum				18.5							
995	Mean				8.906							
996	Geometric Mean				8.307							
997	Median				8.8							
998	Standard Deviation				3.368							
999	Coefficient of Variation				0.378							
1000												
1001	Mann-Kendall Statistics											
1002	M-K Test Value (S)				-110							
1003	Critical Value (0.05)				-1.645							
1004	Standard Deviation of S				79.51							
1005	Standardized Value of S				-1.371							
1006	Approximate p-value				0.0852							
1007												

	A	B	C	D	E	F	G	H	I	J	K	L
1008	Approximate inference for Theil-Sen Trend Test											
1009	Number of Slopes				703							
1010	Theil-Sen Slope				-7.937E-4							
1011	Theil-Sen Intercept				43.73							
1012	M1				273.6							
1013	M2				429.4							
1014	95% LCL of Slope (0.025)				-0.00238							
1015	95% UCL of Slope (0.975)				3.6700E-4							
1016												
1017	Insufficient evidence to identify a significant											
1018	trend at the specified level of significance.											
1019												
1020	Theil-Sen Trend Test Estimates and Residuals											
1021	#	Events	Values	Estimates	Residuals							
1022	1	42318	17.2	10.15	7.055							
1023	2	42416	10.2	10.07	0.133							
1024	3	42509	18.5	9.994	8.506							
1025	4	42601	6.46	9.921	-3.461							
1026	5	42688	8.58	9.852	-1.272							
1027	6	42788	11.7	9.772	1.928							
1028	7	42878	14.2	9.701	4.499							
1029	8	42962	10.9	9.634	1.266							
1030	9	43053	8.97	9.562	-0.592							
1031	10	43145	9.1	9.489	-0.389							
1032	11	43242	10	9.412	0.588							
1033	12	43341	8.9	9.333	-0.433							
1034	13	43424	9.4	9.267	0.133							
1035	14	43524	8.2	9.188	-0.988							
1036	15	43605	7.4	9.124	-1.724							
1037	16	43690	7.7	9.056	-1.356							
1038	17	43784	5.2	8.982	-3.782							
1039	18	43873	4.4	8.911	-4.511							
1040	19	43966	4.3	8.837	-4.537							
1041	20	44060	5.4	8.763	-3.363							
1042	21	44147	5.2	8.694	-3.494							
1043	22	44246	3.6	8.615	-5.015							
1044	23	44330	5.6	8.548	-2.948							
1045	24	44435	4.1	8.465	-4.365							
1046	25	44511	7.2	8.405	-1.205							
1047	26	44610	12	8.326	3.674							
1048	27	44693	13	8.26	4.74							
1049	28	44785	13	8.187	4.813							
1050	29	44876	8.7	8.115	0.585							
1051	30	44973	9.2	8.038	1.162							
1052	31	45058	9.3	7.971	1.329							
1053	32	45155	9.8	7.894	1.906							
1054	33	45240	8.2	7.826	0.374							
1055	34	45337	7.6	7.749	-0.149							
1056	35	45432	7.7	7.674	0.0262							
1057	36	45532	6.5	7.594	-1.094							
1058	37	45611	10	7.532	2.468							
1059	38	45713	11	7.451	3.549							
1060	N-624-09											

	A	B	C	D	E	F	G	H	I	J	K	L
1061												
1062	General Statistics											
1063	Number of Events				14							
1064	Number Values Observations				21							
1065	Number Values Missing				7							
1066	Number of Values Reported (n)				14							
1067	Number of Replicates				0							
1068	Minimum				1.1							
1069	Maximum				13							
1070	Mean				3.6							
1071	Geometric Mean				2.78							
1072	Median				2.5							
1073	Standard Deviation				3.207							
1074	Coefficient of Variation				0.891							
1075												
1076	Mann-Kendall Statistics											
1077	M-K Test Value (S)				-25							
1078	Tabulated p-value				0.096							
1079	Standard Deviation of S				18.27							
1080	Standardized Value of S				-1.314							
1081	Approximate p-value				0.0944							
1082												
1083	Approximate inference for Theil-Sen Trend Test											
1084	Number of Slopes				91							
1085	Theil-Sen Slope				-0.00108							
1086	Theil-Sen Intercept				50.65							
1087	M1				27.6							
1088	M2				63.4							
1089	95% LCL of Slope (0.025)				-0.00417							
1090	95% UCL of Slope (0.975)				3.0528E-4							
1091												
1092	Insufficient evidence to identify a significant											
1093	trend at the specified level of significance.											
1094												
1095	Theil-Sen Trend Test Estimates and Residuals											
1096	#	Events	Values	Estimates	Residuals							
1097	1	44060	3.5	3.138	0.362							
1098	2	44148	1.3	3.044	-1.744							
1099	3	44246	13	2.938	10.06							
1100	4	44328	6.8	2.849	3.951							
1101	5	44420	2.6	2.75	-0.15							
1102	6	44510	2.8	2.653	0.147							
1103	7	44610	1.6	2.545	-0.945							
1104	8	44694	2.4	2.455	-0.0547							
1105	9	45245	1.8	1.86	-0.0605							
1106	10	45338	3.7	1.76	1.94							
1107	11	45433	6.2	1.658	4.542							
1108	12	45530	1.7	1.553	0.147							
1109	13	45614	1.9	1.463	0.437							
1110	14	45712	1.1	1.357	-0.257							
1111	N-624-10											
1112												
1113	General Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
1114	Number of Events				13							
1115	Number Values Observations				21							
1116	Number Values Missing				8							
1117	Number of Values Reported (n)				13							
1118	Number of Replicates				0							
1119	Minimum				1							
1120	Maximum				19							
1121	Mean				6.777							
1122	Geometric Mean				4.693							
1123	Median				4.2							
1124	Standard Deviation				6.086							
1125	Coefficient of Variation				0.898							
1126												
1127	Mann-Kendall Statistics											
1128	M-K Test Value (S)				-2							
1129	Tabulated p-value				0.476							
1130	Standard Deviation of S				16.33							
1131	Standardized Value of S				-0.0612							
1132	Approximate p-value				0.476							
1133												
1134	Approximate inference for Theil-Sen Trend Test											
1135	Number of Slopes				78							
1136	Theil-Sen Slope				-1.364E-4							
1137	Theil-Sen Intercept				10.26							
1138	M1				23							
1139	M2				55							
1140	95% LCL of Slope (0.025)				-0.00694							
1141	95% UCL of Slope (0.975)				0.00739							
1142												
1143	Insufficient evidence to identify a significant											
1144	trend at the specified level of significance.											
1145												
1146	Theil-Sen Trend Test Estimates and Residuals											
1147	#	Events	Values	Estimates	Residuals							
1148	1	43874	4.2	4.274	-0.0745							
1149	2	43965	2.3	4.262	-1.962							
1150	3	44060	5.7	4.249	1.451							
1151	4	44148	2.3	4.237	-1.937							
1152	5	44246	2.9	4.224	-1.324							
1153	6	44328	17	4.213	12.79							
1154	7	44420	19	4.2	14.8							
1155	8	44510	8.9	4.188	4.712							
1156	9	44610	14	4.174	9.826							
1157	10	44693	5.8	4.163	1.637							
1158	11	45338	1	4.075	-3.075							
1159	12	45530	2.5	4.049	-1.549							
1160	13	45712	2.5	4.024	-1.524							
1161	N-624-11											
1162												
1163	General Statistics											
1164	Number of Events				21							
1165	Number of Values Reported (n)				21							
1166	Number of Replicates				0							

	A	B	C	D	E	F	G	H	I	J	K	L
1167	Minimum				6.7							
1168	Maximum				14							
1169	Mean				9.348							
1170	Geometric Mean				9.171							
1171	Median				9.2							
1172	Standard Deviation				1.892							
1173	Coefficient of Variation				0.202							
1174												
1175	Mann-Kendall Statistics											
1176	M-K Test Value (S)				-150							
1177	Tabulated p-value				0							
1178	Standard Deviation of S				32.95							
1179	Standardized Value of S				-4.521							
1180	Approximate p-value				3.0718E-6							
1181												
1182	Approximate inference for Theil-Sen Trend Test											
1183	Number of Slopes				210							
1184	Theil-Sen Slope				-0.00283							
1185	Theil-Sen Intercept				135.9							
1186	M2'				132.1							
1187	One-sided 95% upper limit of Slope				-0.00238							
1188	95% LCL of Slope (0.025)				-0.00334							
1189	95% UCL of Slope (0.975)				-0.00225							
1190												
1191	Statistically significant evidence of a decreasing											
1192	trend at the specified level of significance.											
1193												
1194	Theil-Sen Trend Test Estimates and Residuals											
1195	#	Events	Values	Estimates	Residuals							
1196	1	43874	9.2	11.78	-2.578							
1197	2	43966	12	11.52	0.482							
1198	3	44060	11	11.25	-0.252							
1199	4	44147	11	11.01	-0.00559							
1200	5	44246	11	10.73	0.275							
1201	6	44330	11	10.49	0.512							
1202	7	44435	14	10.19	3.809							
1203	8	44511	9.8	9.975	-0.175							
1204	9	44610	9.7	9.695	0.00474							
1205	10	44693	9.6	9.46	0.14							
1206	11	44785	9.2	9.2	1.066E-14							
1207	12	44876	8.8	8.942	-0.142							
1208	13	44974	10	8.665	1.335							
1209	14	45058	8.9	8.427	0.473							
1210	15	45155	8.2	8.153	0.0471							
1211	16	45240	7.4	7.912	-0.512							
1212	17	45337	7.2	7.638	-0.438							
1213	18	45432	7	7.369	-0.369							
1214	19	45532	7.3	7.086	0.214							
1215	20	45611	6.7	6.862	-0.162							
1216	21	45713	7.3	6.574	0.726							
1217	N-692-02											
1218												
1219	General Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
1220	Number of Events				30							
1221	Number Values Observations				38							
1222	Number Values Missing				8							
1223	Number of Values Reported (n)				30							
1224	Number of Replicates				0							
1225	Minimum				1.1							
1226	Maximum				140							
1227	Mean				42.3							
1228	Geometric Mean				21.92							
1229	Median				23.7							
1230	Standard Deviation				42.74							
1231	Coefficient of Variation				1.01							
1232												
1233	Mann-Kendall Statistics											
1234	M-K Test Value (S)				-153							
1235	Critical Value (0.05)				-1.645							
1236	Standard Deviation of S				56.05							
1237	Standardized Value of S				-2.712							
1238	Approximate p-value				0.00335							
1239												
1240	Approximate inference for Theil-Sen Trend Test											
1241	Number of Slopes				435							
1242	Theil-Sen Slope				-0.0239							
1243	Theil-Sen Intercept				1067							
1244	M2'				263.6							
1245	One-sided 95% upper limit of Slope				-0.00936							
1246	95% LCL of Slope (0.025)				-0.0357							
1247	95% UCL of Slope (0.975)				-0.00609							
1248												
1249	Statistically significant evidence of a decreasing											
1250	trend at the specified level of significance.											
1251												
1252	Theil-Sen Trend Test Estimates and Residuals											
1253	#	Events	Values	Estimates	Residuals							
1254	1	42340	134	55.08	78.92							
1255	2	42424	140	53.07	86.93							
1256	3	42521	124	50.75	73.25							
1257	4	42619	111	48.41	62.59							
1258	5	42704	103	46.38	56.62							
1259	6	42796	17.8	44.18	-26.38							
1260	7	42891	2.82	41.91	-39.09							
1261	8	42970	24.4	40.02	-15.62							
1262	9	43069	43.4	37.66	5.744							
1263	10	43154	82	35.62	46.38							
1264	11	43250	64	33.33	30.67							
1265	12	43335	66	31.3	34.7							
1266	13	43431	58	29.01	28.99							
1267	14	43531	67	26.62	40.38							
1268	15	43614	2.5	24.63	-22.13							
1269	16	43692	2.2	22.77	-20.57							
1270	17	44519	1.1	3.005	-1.905							
1271	18	44621	5	0.568	4.432							
1272	19	44701	4.4	-1.344	5.744							

	A	B	C	D	E	F	G	H	I	J	K	L
1273	20	44795	11	-3.59	14.59							
1274	21	44893	17	-5.932	22.93							
1275	22	44984	21	-8.107	29.11							
1276	23	45064	25	-10.02	35.02							
1277	24	45163	31	-12.38	43.38							
1278	25	45259	13	-14.68	27.68							
1279	26	45349	23	-16.83	39.83							
1280	27	45447	33	-19.17	52.17							
1281	28	45539	16	-21.37	37.37							
1282	29	45622	19	-23.35	42.35							
1283	30	45720	7.3	-25.7	33							
1284	N-692-05											
1285												
1286	General Statistics											
1287	Number of Events				35							
1288	Number of Values Reported (n)				35							
1289	Number of Replicates				0							
1290	Minimum				5.68							
1291	Maximum				19							
1292	Mean				13.36							
1293	Geometric Mean				12.75							
1294	Median				14							
1295	Standard Deviation				3.805							
1296	Coefficient of Variation				0.285							
1297												
1298	Mann-Kendall Statistics											
1299	M-K Test Value (S)				423							
1300	Critical Value (0.05)				1.645							
1301	Standard Deviation of S				70.12							
1302	Standardized Value of S				6.019							
1303	Approximate p-value				8.799E-10							
1304												
1305	Approximate inference for Theil-Sen Trend Test											
1306	Number of Slopes				595							
1307	Theil-Sen Slope				0.00334							
1308	Theil-Sen Intercept				-133.5							
1309	M1'				239.8							
1310	One-sided 95% lower limit of Slope				0.00275							
1311	95% LCL of Slope (0.025)				0.00264							
1312	95% UCL of Slope (0.975)				0.00407							
1313												
1314	Statistically significant evidence of an increasing trend at the specified level of significance.											
1315												
1316												
1317	Theil-Sen Trend Test Estimates and Residuals											
1318	#	Events	Values	Estimates	Residuals							
1319	1	42340	5.68	7.927	-2.247							
1320	2	42424	6.72	8.207	-1.487							
1321	3	42521	7.29	8.531	-1.241							
1322	4	42615	8.07	8.845	-0.775							
1323	5	42703	6.85	9.139	-2.289							
1324	6	42797	8.32	9.453	-1.133							
1325	7	42891	9.24	9.767	-0.527							

	A	B	C	D	E	F	G	H	I	J	K	L
1326	8	42969	10.6	10.03	0.572							
1327	9	43069	11.9	10.36	1.538							
1328	10	43335	9.1	11.25	-2.151							
1329	11	43538	12	11.93	0.0712							
1330	12	43614	13	12.18	0.817							
1331	13	43693	12	12.45	-0.447							
1332	14	43801	13	12.81	0.193							
1333	15	43880	14	13.07	0.929							
1334	16	43978	12	13.4	-1.399							
1335	17	44070	14	13.71	0.294							
1336	18	44158	14	14	0							
1337	19	44264	17	14.35	2.646							
1338	20	44337	14	14.6	-0.598							
1339	21	44431	18	14.91	3.088							
1340	22	44519	19	15.21	3.794							
1341	23	44622	16	15.55	0.45							
1342	24	44701	15	15.81	-0.814							
1343	25	44796	17	16.13	0.869							
1344	26	44895	18	16.46	1.538							
1345	27	44985	16	16.76	-0.763							
1346	28	45069	14	17.04	-3.043							
1347	29	45166	16	17.37	-1.367							
1348	30	45261	19	17.68	1.315							
1349	31	45350	16	17.98	-1.982							
1350	32	45447	15	18.31	-3.306							
1351	33	45540	15	18.62	-3.617							
1352	34	45622	18	18.89	-0.891							
1353	35	45721	17	19.22	-2.221							
1354	N-692-06											
1355												
1356	General Statistics											
1357	Number of Events				38							
1358	Number of Values Reported (n)				38							
1359	Number of Replicates				0							
1360	Minimum				2.27							
1361	Maximum				5.6							
1362	Mean				3.795							
1363	Geometric Mean				3.714							
1364	Median				3.65							
1365	Standard Deviation				0.803							
1366	Coefficient of Variation				0.212							
1367												
1368	Mann-Kendall Statistics											
1369	M-K Test Value (S)				479							
1370	Critical Value (0.05)				1.645							
1371	Standard Deviation of S				79.46							
1372	Standardized Value of S				6.015							
1373	Approximate p-value				8.972E-10							
1374												
1375	Approximate inference for Theil-Sen Trend Test											
1376	Number of Slopes				703							
1377	Theil-Sen Slope				6.8452E-4							
1378	Theil-Sen Intercept				-26.49							

	A	B	C	D	E	F	G	H	I	J	K	L
1379	M1'				286.1							
1380	One-sided 95% lower limit of Slope				5.9016E-4							
1381	95% LCL of Slope (0.025)				5.7091E-4							
1382	95% UCL of Slope (0.975)				8.2502E-4							
1383												
1384	Statistically significant evidence of an increasing trend at the specified level of significance.											
1385												
1386												
1387	Theil-Sen Trend Test Estimates and Residuals											
1388	#	Events	Values	Estimates	Residuals							
1389	1	42340	3.04	2.497	0.543							
1390	2	42424	2.93	2.555	0.375							
1391	3	42521	2.27	2.621	-0.351							
1392	4	42619	2.86	2.688	0.172							
1393	5	42704	3.12	2.746	0.374							
1394	6	42796	2.84	2.809	0.0306							
1395	7	42891	3.2	2.874	0.326							
1396	8	42970	3.29	2.929	0.361							
1397	9	43069	3.46	2.996	0.464							
1398	10	43154	2.9	3.054	-0.154							
1399	11	43250	3.9	3.12	0.78							
1400	12	43335	3.5	3.178	0.322							
1401	13	43438	3.7	3.249	0.451							
1402	14	43531	3.1	3.313	-0.213							
1403	15	43614	3.3	3.369	-0.0693							
1404	16	43692	3.8	3.423	0.377							
1405	17	43795	4	3.493	0.507							
1406	18	43879	3.2	3.551	-0.351							
1407	19	43978	3.1	3.619	-0.519							
1408	20	44070	3.6	3.681	-0.0815							
1409	21	44159	4	3.742	0.258							
1410	22	44266	3	3.816	-0.816							
1411	23	44337	3.4	3.864	-0.464							
1412	24	44432	3.6	3.929	-0.329							
1413	25	44522	4.3	3.991	0.309							
1414	26	44622	3.7	4.059	-0.359							
1415	27	44704	3.9	4.115	-0.215							
1416	28	44796	4.9	4.178	0.722							
1417	29	44895	4.6	4.246	0.354							
1418	30	44985	4.6	4.308	0.292							
1419	31	45069	4.8	4.365	0.435							
1420	32	45166	4.9	4.432	0.468							
1421	33	45261	4.3	4.497	-0.197							
1422	34	45350	4.3	4.558	-0.258							
1423	35	45448	5	4.625	0.375							
1424	36	45540	4.8	4.688	0.112							
1425	37	45622	5.6	4.744	0.856							
1426	38	45721	5.4	4.812	0.588							
1427	N-692-07											
1428												
1429	General Statistics											
1430	Number of Events				37							
1431	Number of Values Reported (n)				37							

	A	B	C	D	E	F	G	H	I	J	K	L
1432	Number of Replicates				0							
1433	Minimum				2.19							
1434	Maximum				3.9							
1435	Mean				3.177							
1436	Geometric Mean				3.153							
1437	Median				3.14							
1438	Standard Deviation				0.386							
1439	Coefficient of Variation				0.121							
1440												
1441	Mann-Kendall Statistics											
1442	M-K Test Value (S)				-97							
1443	Critical Value (0.05)				-1.645							
1444	Standard Deviation of S				76.27							
1445	Standardized Value of S				-1.259							
1446	Approximate p-value				0.104							
1447												
1448	Approximate inference for Theil-Sen Trend Test											
1449	Number of Slopes				666							
1450	Theil-Sen Slope				-8.336E-5							
1451	Theil-Sen Intercept				6.813							
1452	M1				258.3							
1453	M2				407.7							
1454	95% LCL of Slope (0.025)				-1.963E-4							
1455	95% UCL of Slope (0.975)				4.5093E-5							
1456												
1457	Insufficient evidence to identify a significant											
1458	trend at the specified level of significance.											
1459												
1460	Theil-Sen Trend Test Estimates and Residuals											
1461	#	Events	Values	Estimates	Residuals							
1462	1	42340	3.13	3.284	-0.154							
1463	2	42424	3.42	3.277	0.143							
1464	3	42521	2.19	3.269	-1.079							
1465	4	42615	3.04	3.261	-0.221							
1466	5	42703	3.88	3.254	0.626							
1467	6	42797	3.14	3.246	-0.106							
1468	7	42891	3.18	3.238	-0.0583							
1469	8	42970	3.38	3.232	0.148							
1470	9	43069	3.38	3.223	0.157							
1471	10	43154	2.9	3.216	-0.316							
1472	11	43250	3.3	3.208	0.0916							
1473	12	43335	3.3	3.201	0.0987							
1474	13	43438	3.5	3.193	0.307							
1475	14	43531	3.5	3.185	0.315							
1476	15	43614	3.1	3.178	-0.078							
1477	16	43693	3.9	3.171	0.729							
1478	17	43795	3.4	3.163	0.237							
1479	18	44001	2.9	3.146	-0.246							
1480	19	44070	3.2	3.14	0.06							
1481	20	44159	3.5	3.133	0.367							
1482	21	44266	2.8	3.124	-0.324							
1483	22	44337	3.6	3.118	0.482							
1484	23	44432	3.9	3.11	0.79							

	A	B	C	D	E	F	G	H	I	J	K	L
1485	24	44522	3.1	3.102	-0.00232							
1486	25	44622	2.5	3.094	-0.594							
1487	26	44704	3.6	3.087	0.513							
1488	27	44797	3.2	3.079	0.121							
1489	28	44896	3	3.071	-0.0711							
1490	29	44985	2.7	3.064	-0.364							
1491	30	45070	3	3.057	-0.0566							
1492	31	45167	2.8	3.049	-0.249							
1493	32	45261	2.6	3.041	-0.441							
1494	33	45350	3	3.033	-0.0333							
1495	34	45448	3	3.025	-0.0251							
1496	35	45540	2.8	3.017	-0.217							
1497	36	45628	3.1	3.01	0.0899							
1498	37	45722	3.6	3.002	0.598							
1499	N-692-08											
1500												
1501	General Statistics											
1502	Number of Events				38							
1503	Number of Values Reported (n)				38							
1504	Number of Replicates				0							
1505	Minimum				0.791							
1506	Maximum				6.8							
1507	Mean				2.712							
1508	Geometric Mean				2.459							
1509	Median				2.3							
1510	Standard Deviation				1.322							
1511	Coefficient of Variation				0.487							
1512												
1513	Mann-Kendall Statistics											
1514	M-K Test Value (S)				84							
1515	Critical Value (0.05)				1.645							
1516	Standard Deviation of S				79.44							
1517	Standardized Value of S				1.045							
1518	Approximate p-value				0.148							
1519												
1520	Approximate inference for Theil-Sen Trend Test											
1521	Number of Slopes				703							
1522	Theil-Sen Slope				1.8182E-4							
1523	Theil-Sen Intercept				-5.704							
1524	M1				273.7							
1525	M2				429.3							
1526	95% LCL of Slope (0.025)				-1.438E-4							
1527	95% UCL of Slope (0.975)				4.6836E-4							
1528												
1529	Insufficient evidence to identify a significant											
1530	trend at the specified level of significance.											
1531												
1532	Theil-Sen Trend Test Estimates and Residuals											
1533	#	Events	Values	Estimates	Residuals							
1534	1	42340	1.91	1.994	-0.0838							
1535	2	42424	3.22	2.009	1.211							
1536	3	42521	1.58	2.027	-0.447							
1537	4	42615	0.791	2.044	-1.253							

	A	B	C	D	E	F	G	H	I	J	K	L
1538	5	42704	2.26	2.06	0.2							
1539	6	42797	2.84	2.077	0.763							
1540	7	42891	2.12	2.094	0.026							
1541	8	42969	2.29	2.108	0.182							
1542	9	43069	4.74	2.126	2.614							
1543	10	43154	3	2.142	0.858							
1544	11	43250	2.5	2.159	0.341							
1545	12	43335	2.1	2.175	-0.0747							
1546	13	43438	2.4	2.193	0.207							
1547	14	43531	2.6	2.21	0.39							
1548	15	43614	2.8	2.225	0.575							
1549	16	43693	1.2	2.24	-1.04							
1550	17	43794	1.8	2.258	-0.458							
1551	18	43879	3.9	2.274	1.626							
1552	19	43978	1.4	2.292	-0.892							
1553	20	44070	1.9	2.308	-0.408							
1554	21	44159	2.1	2.325	-0.225							
1555	22	44266	2.3	2.344	-0.044							
1556	23	44337	1.7	2.357	-0.657							
1557	24	44432	2.1	2.374	-0.274							
1558	25	44522	6.8	2.391	4.409							
1559	26	44622	5	2.409	2.591							
1560	27	44704	6.2	2.424	3.776							
1561	28	44797	1.9	2.441	-0.541							
1562	29	44896	1.6	2.459	-0.859							
1563	30	44986	3	2.475	0.525							
1564	31	45070	5.2	2.49	2.71							
1565	32	45167	2.3	2.508	-0.208							
1566	33	45264	3.1	2.525	0.575							
1567	34	45351	2.1	2.541	-0.441							
1568	35	45449	2.4	2.559	-0.159							
1569	36	45541	1.7	2.576	-0.876							
1570	37	45629	3.2	2.592	0.608							
1571	38	45722	3	2.609	0.391							
1572	N-692-09											
1573												
1574	General Statistics											
1575	Number of Events				36							
1576	Number Values Observations				37							
1577	Number Values Missing				1							
1578	Number of Values Reported (n)				36							
1579	Number of Replicates				0							
1580	Minimum				0.746							
1581	Maximum				8.5							
1582	Mean				4.779							
1583	Geometric Mean				4.248							
1584	Median				4.21							
1585	Standard Deviation				2.074							
1586	Coefficient of Variation				0.434							
1587												
1588	Mann-Kendall Statistics											
1589	M-K Test Value (S)				291							
1590	Critical Value (0.05)				1.645							

	A	B	C	D	E	F	G	H	I	J	K	L
1591	Standard Deviation of S				73.37							
1592	Standardized Value of S				3.953							
1593	Approximate p-value				3.8649E-5							
1594												
1595	Approximate inference for Theil-Sen Trend Test											
1596	Number of Slopes				630							
1597	Theil-Sen Slope				0.00123							
1598	Theil-Sen Intercept				-49.89							
1599	M1'				254.7							
1600	One-sided 95% lower limit of Slope				7.3843E-4							
1601	95% LCL of Slope (0.025)				6.3038E-4							
1602	95% UCL of Slope (0.975)				0.00186							
1603												
1604	Statistically significant evidence of an increasing											
1605	trend at the specified level of significance.											
1606												
1607	Theil-Sen Trend Test Estimates and Residuals											
1608	#	Events	Values	Estimates	Residuals							
1609	1	42340	2.88	2.035	0.845							
1610	2	42424	3.38	2.138	1.242							
1611	3	42521	2.96	2.257	0.703							
1612	4	42615	0.794	2.372	-1.578							
1613	5	42704	4.39	2.481	1.909							
1614	6	42797	4.22	2.596	1.624							
1615	7	42891	2.76	2.711	0.0492							
1616	8	42969	3.93	2.806	1.124							
1617	9	43069	0.746	2.929	-2.183							
1618	10	43250	4.2	3.151	1.049							
1619	11	43335	3.1	3.255	-0.155							
1620	12	43438	3.2	3.382	-0.182							
1621	13	43531	3	3.496	-0.496							
1622	14	43614	3.9	3.597	0.303							
1623	15	43693	5.4	3.694	1.706							
1624	16	43801	6.4	3.827	2.573							
1625	17	43978	3.9	4.044	-0.144							
1626	18	44069	4.7	4.155	0.545							
1627	19	44158	3.4	4.265	-0.865							
1628	20	44264	8.2	4.395	3.805							
1629	21	44336	3.2	4.483	-1.283							
1630	22	44431	3.6	4.599	-0.999							
1631	23	44519	5.3	4.707	0.593							
1632	24	44621	8.5	4.832	3.668							
1633	25	44701	7.4	4.93	2.47							
1634	26	44796	5.4	5.047	0.353							
1635	27	44895	8.4	5.168	3.232							
1636	28	44985	8.2	5.279	2.921							
1637	29	45069	7	5.382	1.618							
1638	30	45166	4.2	5.501	-1.301							
1639	31	45264	3.4	5.621	-2.221							
1640	32	45350	4.4	5.726	-1.326							
1641	33	45448	6.7	5.847	0.853							
1642	34	45539	7	5.958	1.042							
1643	35	45622	6	6.06	-0.0599							

	A	B	C	D	E	F	G	H	I	J	K	L
1644	36	45721	7.9	6.181	1.719							
1645	N-692-10											
1646												
1647	General Statistics											
1648	Number of Events				2							
1649	Number Values Observations				10							
1650	Number Values Missing				8							
1651	Number of Values Reported (n)				2							
1652	Number of Replicates				0							
1653	Minimum				1.2							
1654	Maximum				1.4							
1655	Mean				1.3							
1656	Geometric Mean				1.296							
1657	Median				1.3							
1658	Standard Deviation				0.141							
1659	Coefficient of Variation				0.109							
1660												
1661	Not enough reported values (n) to provide Theil-Sen Statistics!											
1662												
1663	N-70/86/340-01											
1664												
1665	General Statistics											
1666	Number of Events				38							
1667	Number of Values Reported (n)				38							
1668	Number of Replicates				0							
1669	Minimum				3.9							
1670	Maximum				69							
1671	Mean				21.69							
1672	Geometric Mean				19.91							
1673	Median				20.8							
1674	Standard Deviation				9.76							
1675	Coefficient of Variation				0.45							
1676												
1677	Mann-Kendall Statistics											
1678	M-K Test Value (S)				172							
1679	Critical Value (0.05)				1.645							
1680	Standard Deviation of S				79.34							
1681	Standardized Value of S				2.155							
1682	Approximate p-value				0.0156							
1683												
1684	Approximate inference for Theil-Sen Trend Test											
1685	Number of Slopes				703							
1686	Theil-Sen Slope				0.00158							
1687	Theil-Sen Intercept				-48.68							
1688	M1'				286.2							
1689	One-sided 95% lower limit of Slope				4.4115E-4							
1690	95% LCL of Slope (0.025)				0							
1691	95% UCL of Slope (0.975)				0.00331							
1692												
1693	Statistically significant evidence of an increasing											
1694	trend at the specified level of significance.											
1695												
1696	Theil-Sen Trend Test Estimates and Residuals											

	A	B	C	D	E	F	G	H	I	J	K	L
1697	#	Events	Values	Estimates	Residuals							
1698	1	42318	16	18.13	-2.125							
1699	2	42415	12.1	18.28	-6.178							
1700	3	42509	17.3	18.43	-1.127							
1701	4	42605	24.1	18.58	5.522							
1702	5	42684	22.6	18.7	3.897							
1703	6	42782	30.1	18.86	11.24							
1704	7	42873	20.3	19	1.299							
1705	8	42958	20.6	19.14	1.465							
1706	9	43048	19.6	19.28	0.322							
1707	10	43143	19	19.43	-0.427							
1708	11	43241	18	19.58	-1.582							
1709	12	43326	19	19.72	-0.716							
1710	13	43420	23	19.86	3.135							
1711	14	43521	21	20.02	0.976							
1712	15	43601	23	20.15	2.85							
1713	16	43684	23	20.28	2.719							
1714	17	43784	22	20.44	1.561							
1715	18	43868	22	20.57	1.428							
1716	19	43969	18	20.73	-2.731							
1717	20	44056	18	20.87	-2.869							
1718	21	44146	12	21.01	-9.011							
1719	22	44242	9.8	21.16	-11.36							
1720	23	44322	7.9	21.29	-13.39							
1721	24	44417	3.9	21.44	-17.54							
1722	25	44504	20	21.58	-1.576							
1723	26	44606	20	21.74	-1.737							
1724	27	44686	20	21.86	-1.863							
1725	28	44781	20	22.01	-2.013							
1726	29	44872	27	22.16	4.843							
1727	30	44965	29	22.3	6.696							
1728	31	45051	24	22.44	1.561							
1729	32	45146	69	22.59	46.41							
1730	33	45238	33	22.73	10.27							
1731	34	45331	24	22.88	1.119							
1732	35	45425	25	23.03	1.97							
1733	36	45523	24	23.18	0.816							
1734	37	45607	23	23.32	-0.317							
1735	38	45706	24	23.47	0.527							
1736	N-70-01											
1737												
1738	General Statistics											
1739	Number of Events				38							
1740	Number of Values Reported (n)				38							
1741	Number of Replicates				0							
1742	Minimum				13							
1743	Maximum				39							
1744	Mean				22.84							
1745	Geometric Mean				21.73							
1746	Median				22.9							
1747	Standard Deviation				7.181							
1748	Coefficient of Variation				0.314							
1749												

	A	B	C	D	E	F	G	H	I	J	K	L
1750	Mann-Kendall Statistics											
1751	M-K Test Value (S)				-366							
1752	Critical Value (0.05)				-1.645							
1753	Standard Deviation of S				79.38							
1754	Standardized Value of S				-4.598							
1755	Approximate p-value				2.1295E-6							
1756												
1757	Approximate inference for Theil-Sen Trend Test											
1758	Number of Slopes				703							
1759	Theil-Sen Slope				-0.00542							
1760	Theil-Sen Intercept				261.7							
1761	M2'				416.8							
1762	One-sided 95% upper limit of Slope				-0.00363							
1763	95% LCL of Slope (0.025)				-0.00859							
1764	95% UCL of Slope (0.975)				-0.00351							
1765												
1766	Statistically significant evidence of a decreasing											
1767	trend at the specified level of significance.											
1768												
1769	Theil-Sen Trend Test Estimates and Residuals											
1770	#	Events	Values	Estimates	Residuals							
1771	1	42320	26	32.07	-6.071							
1772	2	42416	25.6	31.55	-5.95							
1773	3	42514	22.8	31.02	-8.218							
1774	4	42601	23.5	30.55	-7.046							
1775	5	42696	20.8	30.03	-9.231							
1776	6	42786	21.8	29.54	-7.743							
1777	7	42874	22.4	29.07	-6.665							
1778	8	42961	24.3	28.59	-4.293							
1779	9	43048	25.6	28.12	-2.522							
1780	10	43144	30	27.6	2.399							
1781	11	43241	39	27.07	11.93							
1782	12	43327	37	26.61	10.39							
1783	13	43419	32	26.11	5.891							
1784	14	43522	33	25.55	7.45							
1785	15	43601	34	25.12	8.878							
1786	16	43684	31	24.67	6.329							
1787	17	43784	29	24.13	4.871							
1788	18	43871	28	23.66	4.343							
1789	19	43964	27	23.15	3.848							
1790	20	44057	27	22.65	4.352							
1791	21	44147	26	22.16	3.841							
1792	22	44243	23	21.64	1.361							
1793	23	44326	22	21.19	0.812							
1794	24	44418	23	20.69	2.311							
1795	25	44505	20	20.22	-0.217							
1796	26	44607	20	19.66	0.336							
1797	27	44690	15	19.21	-4.214							
1798	28	44782	16	18.71	-2.715							
1799	29	44873	17	18.22	-1.221							
1800	30	44966	17	17.72	-0.716							
1801	31	45054	13	17.24	-4.239							
1802	32	45147	13	16.73	-3.735							

	A	B	C	D	E	F	G	H	I	J	K	L
1803	33	45239	14	16.24	-2.235							
1804	34	45334	14	15.72	-1.72							
1805	35	45426	14	15.22	-1.221							
1806	36	45524	13	14.69	-1.689							
1807	37	45608	14	14.23	-0.234							
1808	38	45707	14	13.7	0.303							
1809	N-70-02											
1810												
1811	General Statistics											
1812	Number of Events				37							
1813	Number of Values Reported (n)				37							
1814	Number of Replicates				0							
1815	Minimum				13							
1816	Maximum				37.7							
1817	Mean				31.61							
1818	Geometric Mean				31.03							
1819	Median				33							
1820	Standard Deviation				5.133							
1821	Coefficient of Variation				0.162							
1822												
1823	Mann-Kendall Statistics											
1824	M-K Test Value (S)				-206							
1825	Critical Value (0.05)				-1.645							
1826	Standard Deviation of S				75.86							
1827	Standardized Value of S				-2.702							
1828	Approximate p-value				0.00344							
1829												
1830	Approximate inference for Theil-Sen Trend Test											
1831	Number of Slopes				666							
1832	Theil-Sen Slope				-0.00131							
1833	Theil-Sen Intercept				90.54							
1834	M2'				395.4							
1835	One-sided 95% upper limit of Slope				-5.505E-4							
1836	95% LCL of Slope (0.025)				-0.00253							
1837	95% UCL of Slope (0.975)				-1.956E-4							
1838												
1839	Statistically significant evidence of a decreasing											
1840	trend at the specified level of significance.											
1841												
1842	Theil-Sen Trend Test Estimates and Residuals											
1843	#	Events	Values	Estimates	Residuals							
1844	1	42320	36.1	35.15	0.948							
1845	2	42416	37.7	35.03	2.674							
1846	3	42513	35.9	34.9	1.001							
1847	4	42600	35	34.79	0.215							
1848	5	42696	31.3	34.66	-3.359							
1849	6	42786	31	34.54	-3.542							
1850	7	42874	31.3	34.43	-3.127							
1851	8	42961	33.4	34.31	-0.913							
1852	9	43048	30.7	34.2	-3.499							
1853	10	43144	29	34.07	-5.073							
1854	11	43241	33	33.95	-0.946							
1855	12	43327	34	33.83	0.166							

	A	B	C	D	E	F	G	H	I	J	K	L
1856	13	43418	31	33.71	-2.715							
1857	14	43522	32	33.58	-1.578							
1858	15	43601	36	33.48	2.525							
1859	16	43683	35	33.37	1.632							
1860	17	43781	33	33.24	-0.239							
1861	18	43871	33	33.12	-0.122							
1862	19	43964	34	33	1							
1863	20	44057	34	32.88	1.122							
1864	21	44147	35	32.76	2.239							
1865	22	44243	34	32.63	1.365							
1866	23	44326	33	32.53	0.474							
1867	24	44418	34	32.41	1.594							
1868	25	44505	35	32.29	2.708							
1869	26	44607	34	32.16	1.842							
1870	27	44690	33	32.05	0.95							
1871	28	44782	33	31.93	1.071							
1872	29	44873	31	31.81	-0.81							
1873	30	44966	32	31.69	0.311							
1874	31	45054	29	31.57	-2.573							
1875	32	45147	24	31.45	-7.452							
1876	33	45334	32	31.21	0.793							
1877	34	45426	16	31.09	-15.09							
1878	35	45524	13	30.96	-17.96							
1879	36	45608	22	30.85	-8.848							
1880	37	45707	33	30.72	2.281							
1881	N-70-03											
1882												
1883	General Statistics											
1884	Number of Events				38							
1885	Number of Values Reported (n)				38							
1886	Number of Replicates				0							
1887	Minimum				37							
1888	Maximum				53							
1889	Mean				43.77							
1890	Geometric Mean				43.5							
1891	Median				43.45							
1892	Standard Deviation				4.945							
1893	Coefficient of Variation				0.113							
1894												
1895	Mann-Kendall Statistics											
1896	M-K Test Value (S)				-336							
1897	Critical Value (0.05)				-1.645							
1898	Standard Deviation of S				79.2							
1899	Standardized Value of S				-4.23							
1900	Approximate p-value				1.1696E-5							
1901												
1902	Approximate inference for Theil-Sen Trend Test											
1903	Number of Slopes				703							
1904	Theil-Sen Slope				-0.00321							
1905	Theil-Sen Intercept				184.7							
1906	M2'				416.6							
1907	One-sided 95% upper limit of Slope				-0.00239							
1908	95% LCL of Slope (0.025)				-0.00426							

	A	B	C	D	E	F	G	H	I	J	K	L
1909	95% UCL of Slope (0.975)				-0.00226							
1910												
1911	Statistically significant evidence of a decreasing trend at the specified level of significance.											
1912												
1913												
1914	Theil-Sen Trend Test Estimates and Residuals											
1915	#	Events	Values	Estimates	Residuals							
1916	1	42320	46.9	48.88	-1.976							
1917	2	42416	49.1	48.57	0.532							
1918	3	42514	47.4	48.25	-0.853							
1919	4	42600	45.2	47.98	-2.777							
1920	5	42696	43.4	47.67	-4.269							
1921	6	42786	43.6	47.38	-3.78							
1922	7	42874	43.5	47.1	-3.598							
1923	8	42961	45.4	46.82	-1.419							
1924	9	43048	44.7	46.54	-1.839							
1925	10	43144	46	46.23	-0.231							
1926	11	43241	50	45.92	4.08							
1927	12	43327	50	45.64	4.356							
1928	13	43419	52	45.35	6.652							
1929	14	43522	51	45.02	5.982							
1930	15	43601	50	44.76	5.236							
1931	16	43683	53	44.5	8.499							
1932	17	43784	48	44.18	3.823							
1933	18	43868	50	43.91	6.093							
1934	19	43964	50	43.6	6.401							
1935	20	44057	47	43.3	3.699							
1936	21	44146	43	43.02	-0.0151							
1937	22	44243	41	42.7	-1.704							
1938	23	44326	40	42.44	-2.437							
1939	24	44418	41	42.14	-1.142							
1940	25	44505	39	41.86	-2.863							
1941	26	44607	38	41.54	-3.535							
1942	27	44690	37	41.27	-4.269							
1943	28	44782	39	40.97	-1.974							
1944	29	44873	41	40.68	0.318							
1945	30	44966	39	40.38	-1.383							
1946	31	45054	39	40.1	-1.101							
1947	32	45147	38	39.8	-1.802							
1948	33	45239	38	39.51	-1.507							
1949	34	45334	37	39.2	-2.202							
1950	35	45426	37	38.91	-1.907							
1951	36	45524	38	38.59	-0.592							
1952	37	45608	41	38.32	2.677							
1953	38	45707	41	38	2.995							
1954	N-70-04											
1955												
1956	General Statistics											
1957	Number of Events				38							
1958	Number of Values Reported (n)				38							
1959	Number of Replicates				0							
1960	Minimum				12							
1961	Maximum				42							

	A	B	C	D	E	F	G	H	I	J	K	L
1962	Mean				24.66							
1963	Geometric Mean				23.54							
1964	Median				25							
1965	Standard Deviation				7.35							
1966	Coefficient of Variation				0.298							
1967												
1968	Mann-Kendall Statistics											
1969	M-K Test Value (S)				-275							
1970	Critical Value (0.05)				-1.645							
1971	Standard Deviation of S				79.4							
1972	Standardized Value of S				-3.451							
1973	Approximate p-value				2.7956E-4							
1974												
1975	Approximate inference for Theil-Sen Trend Test											
1976	Number of Slopes				703							
1977	Theil-Sen Slope				-0.00378							
1978	Theil-Sen Intercept				191.3							
1979	M2'				416.8							
1980	One-sided 95% upper limit of Slope				-0.00218							
1981	95% LCL of Slope (0.025)				-0.00511							
1982	95% UCL of Slope (0.975)				-0.0019							
1983												
1984	Statistically significant evidence of a decreasing											
1985	trend at the specified level of significance.											
1986												
1987	Theil-Sen Trend Test Estimates and Residuals											
1988	#	Events	Values	Estimates	Residuals							
1989	1	42320	28.9	31.39	-2.487							
1990	2	42416	31.4	31.02	0.375							
1991	3	42513	27.3	30.66	-3.358							
1992	4	42600	27.8	30.33	-2.529							
1993	5	42696	26.5	29.97	-3.467							
1994	6	42786	26.1	29.63	-3.527							
1995	7	42874	23.9	29.29	-5.394							
1996	8	42961	24.6	28.97	-4.365							
1997	9	43048	26.5	28.64	-2.137							
1998	10	43144	27	28.27	-1.274							
1999	11	43241	27	27.91	-0.908							
2000	12	43327	27	27.58	-0.583							
2001	13	43418	29	27.24	1.761							
2002	14	43522	25	26.85	-1.846							
2003	15	43601	27	26.55	0.453							
2004	16	43683	38	26.24	11.76							
2005	17	43781	42	25.87	16.13							
2006	18	43871	37	25.53	11.47							
2007	19	43964	20	25.18	-5.176							
2008	20	44057	21	24.82	-3.824							
2009	21	44147	35	24.48	10.52							
2010	22	44243	22	24.12	-2.122							
2011	23	44326	12	23.81	-11.81							
2012	24	44418	14	23.46	-9.46							
2013	25	44505	19	23.13	-4.132							
2014	26	44607	17	22.75	-5.746							

	A	B	C	D	E	F	G	H	I	J	K	L
2015	27	44690	24	22.43	1.567							
2016	28	44782	25	22.08	2.915							
2017	29	44873	35	21.74	13.26							
2018	30	44966	33	21.39	11.61							
2019	31	45054	22	21.06	0.943							
2020	32	45147	19	20.71	-1.706							
2021	33	45239	17	20.36	-3.358							
2022	34	45334	14	20	-5.999							
2023	35	45426	17	19.65	-2.652							
2024	36	45524	23	19.28	3.719							
2025	37	45608	14	18.96	-4.964							
2026	38	45707	12	18.59	-6.59							
2027	N-74-01											
2028												
2029	General Statistics											
2030	Number of Events				38							
2031	Number of Values Reported (n)				38							
2032	Number of Replicates				0							
2033	Minimum				3.9							
2034	Maximum				72							
2035	Mean				35.27							
2036	Geometric Mean				29.1							
2037	Median				33							
2038	Standard Deviation				18.78							
2039	Coefficient of Variation				0.532							
2040												
2041	Mann-Kendall Statistics											
2042	M-K Test Value (S)				-128							
2043	Critical Value (0.05)				-1.645							
2044	Standard Deviation of S				79.52							
2045	Standardized Value of S				-1.597							
2046	Approximate p-value				0.0551							
2047												
2048	Approximate inference for Theil-Sen Trend Test											
2049	Number of Slopes				703							
2050	Theil-Sen Slope				-0.00548							
2051	Theil-Sen Intercept				274.4							
2052	M1				273.6							
2053	M2				429.4							
2054	95% LCL of Slope (0.025)				-0.0115							
2055	95% UCL of Slope (0.975)				0.00141							
2056												
2057	Insufficient evidence to identify a significant trend at the specified level of significance.											
2058												
2059												
2060	Theil-Sen Trend Test Estimates and Residuals											
2061	#	Events	Values	Estimates	Residuals							
2062	1	42320	15.9	42.3	-26.4							
2063	2	42418	32.1	41.77	-9.667							
2064	3	42515	51.1	41.23	9.865							
2065	4	42606	60.2	40.74	19.46							
2066	5	42688	46.8	40.29	6.514							
2067	6	42790	35.2	39.73	-4.527							

	A	B	C	D	E	F	G	H	I	J	K	L
2068	7	42881	26.2	39.23	-13.03							
2069	8	42963	56.7	38.78	17.92							
2070	9	43053	41.5	38.28	3.216							
2071	10	43150	49	37.75	11.25							
2072	11	43243	34	37.24	-3.242							
2073	12	43341	64	36.7	27.3							
2074	13	43420	65	36.27	28.73							
2075	14	43524	52	35.7	16.3							
2076	15	43606	39	35.25	3.749							
2077	16	43691	24	34.79	-10.79							
2078	17	43788	68	34.25	33.75							
2079	18	43875	72	33.78	38.22							
2080	19	43969	66	33.26	32.74							
2081	20	44064	17	32.74	-15.74							
2082	21	44152	5.9	32.26	-26.36							
2083	22	44249	8.6	31.72	-23.12							
2084	23	44333	11	31.26	-20.26							
2085	24	44446	35	30.64	4.356							
2086	25	44512	17	30.28	-13.28							
2087	26	44614	7.2	29.72	-22.52							
2088	27	44694	15	29.28	-14.28							
2089	28	44789	25	28.76	-3.763							
2090	29	44880	27	28.26	-1.264							
2091	30	44974	29	27.75	1.251							
2092	31	45061	43	27.27	15.73							
2093	32	45156	31	26.75	4.25							
2094	33	45247	30	26.25	3.749							
2095	34	45341	33	25.74	7.264							
2096	35	45443	3.9	25.18	-21.28							
2097	36	45532	40	24.69	15.31							
2098	37	45615	30	24.23	5.767							
2099	38	45714	33	23.69	9.31							
2100	N-74-02											
2101												
2102	General Statistics											
2103	Number of Events				29							
2104	Number Values Observations				38							
2105	Number Values Missing				9							
2106	Number of Values Reported (n)				29							
2107	Number of Replicates				0							
2108	Minimum				1.3							
2109	Maximum				44							
2110	Mean				25.89							
2111	Geometric Mean				20.21							
2112	Median				29.9							
2113	Standard Deviation				13.37							
2114	Coefficient of Variation				0.517							
2115												
2116	Mann-Kendall Statistics											
2117	M-K Test Value (S)				-78							
2118	Critical Value (0.05)				-1.645							
2119	Standard Deviation of S				53.27							
2120	Standardized Value of S				-1.445							

	A	B	C	D	E	F	G	H	I	J	K	L
2121	Approximate p-value				0.0742							
2122												
2123	Approximate inference for Theil-Sen Trend Test											
2124	Number of Slopes				406							
2125	Theil-Sen Slope				-0.00635							
2126	Theil-Sen Intercept				306.9							
2127	M1				150.8							
2128	M2				255.2							
2129	95% LCL of Slope (0.025)				-0.0103							
2130	95% UCL of Slope (0.975)				0.00218							
2131												
2132	Insufficient evidence to identify a significant											
2133	trend at the specified level of significance.											
2134												
2135	Theil-Sen Trend Test Estimates and Residuals											
2136	#	Events	Values	Estimates	Residuals							
2137	1	42319	22.5	38.07	-15.57							
2138	2	42418	29.9	37.45	-7.546							
2139	3	42515	40.7	36.83	3.87							
2140	4	42606	37.6	36.25	1.348							
2141	5	42688	34.4	35.73	-1.331							
2142	6	42790	33.4	35.08	-1.683							
2143	7	42880	25.6	34.51	-8.911							
2144	8	42962	23.5	33.99	-10.49							
2145	9	43053	23.5	33.41	-9.913							
2146	10	43146	26	32.82	-6.822							
2147	11	43243	33	32.21	0.794							
2148	12	43335	27	31.62	-4.621							
2149	13	43419	31	31.09	-0.0878							
2150	14	43524	36	30.42	5.579							
2151	15	43606	37	29.9	7.1							
2152	16	43691	38	29.36	8.64							
2153	17	43788	37	28.74	8.256							
2154	18	43875	43	28.19	14.81							
2155	19	43966	43	27.61	15.39							
2156	20	44064	44	26.99	17.01							
2157	21	44152	30	26.43	3.568							
2158	22	44974	4.3	21.21	-16.91							
2159	23	45058	1.3	20.68	-19.38							
2160	24	45247	7.8	19.48	-11.68							
2161	25	45338	11	18.9	-7.899							
2162	26	45443	7.5	18.23	-10.73							
2163	27	45530	4.3	17.68	-13.38							
2164	28	45614	8.5	17.15	-8.646							
2165	29	45713	10	16.52	-6.517							
2166	N-74-03											
2167												
2168	General Statistics											
2169	Number of Events				15							
2170	Number Values Observations				38							
2171	Number Values Missing				23							
2172	Number of Values Reported (n)				15							
2173	Number of Replicates				0							

	A	B	C	D	E	F	G	H	I	J	K	L
2174	Minimum				0.187							
2175	Maximum				3.36							
2176	Mean				1.234							
2177	Geometric Mean				0.974							
2178	Median				1.2							
2179	Standard Deviation				0.835							
2180	Coefficient of Variation				0.676							
2181												
2182	Mann-Kendall Statistics											
2183	M-K Test Value (S)				7							
2184	Tabulated p-value				0.385							
2185	Standard Deviation of S				20.09							
2186	Standardized Value of S				0.299							
2187	Approximate p-value				0.383							
2188												
2189	Approximate inference for Theil-Sen Trend Test											
2190	Number of Slopes				105							
2191	Theil-Sen Slope				1.0537E-4							
2192	Theil-Sen Intercept				-3.346							
2193	M1				32.81							
2194	M2				72.19							
2195	95% LCL of Slope (0.025)				-2.799E-4							
2196	95% UCL of Slope (0.975)				7.5567E-4							
2197												
2198	Insufficient evidence to identify a significant											
2199	trend at the specified level of significance.											
2200												
2201	Theil-Sen Trend Test Estimates and Residuals											
2202	#	Events	Values	Estimates	Residuals							
2203	1	42515	0.646	1.134	-0.488							
2204	2	42606	3.36	1.143	2.217							
2205	3	42688	1.25	1.152	0.0983							
2206	4	42790	0.209	1.162	-0.953							
2207	5	42880	0.941	1.172	-0.231							
2208	6	42962	0.187	1.181	-0.994							
2209	7	43053	1.21	1.19	0.0198							
2210	8	43146	1.4	1.2	0.2							
2211	9	43243	1.4	1.21	0.19							
2212	10	43335	1.2	1.22	-0.0199							
2213	11	43419	1	1.229	-0.229							
2214	12	44788	0.61	1.373	-0.763							
2215	13	44879	1.2	1.383	-0.183							
2216	14	44974	2.7	1.393	1.307							
2217	15	45338	1.2	1.431	-0.231							
2218	N-74-04											
2219												
2220	General Statistics											
2221	Number of Events				36							
2222	Number Values Observations				38							
2223	Number Values Missing				2							
2224	Number of Values Reported (n)				36							
2225	Number of Replicates				0							
2226	Minimum				8.1							

	A	B	C	D	E	F	G	H	I	J	K	L
2227	Maximum				20							
2228	Mean				12.09							
2229	Geometric Mean				11.91							
2230	Median				12							
2231	Standard Deviation				2.308							
2232	Coefficient of Variation				0.191							
2233												
2234	Mann-Kendall Statistics											
2235	M-K Test Value (S)				-133							
2236	Critical Value (0.05)				-1.645							
2237	Standard Deviation of S				72.02							
2238	Standardized Value of S				-1.833							
2239	Approximate p-value				0.0334							
2240												
2241	Approximate inference for Theil-Sen Trend Test											
2242	Number of Slopes				630							
2243	Theil-Sen Slope				-4.393E-4							
2244	Theil-Sen Intercept				31.3							
2245	M1				244.4							
2246	M2				385.6							
2247	95% LCL of Slope (0.025)				-9.848E-4							
2248	95% UCL of Slope (0.975)				0							
2249												
2250	Insufficient evidence to identify a significant											
2251	trend at the specified level of significance.											
2252												
2253	Theil-Sen Trend Test Estimates and Residuals											
2254	#	Events	Values	Estimates	Residuals							
2255	1	42320	13.5	12.7	0.796							
2256	2	42418	12.9	12.66	0.239							
2257	3	42515	20	12.62	7.382							
2258	4	42607	13.1	12.58	0.522							
2259	5	42689	11.3	12.54	-1.242							
2260	6	42790	11.5	12.5	-0.997							
2261	7	42881	18.6	12.46	6.143							
2262	8	42963	11.6	12.42	-0.821							
2263	9	43053	10.6	12.38	-1.782							
2264	10	43150	9.2	12.34	-3.139							
2265	11	43243	12	12.3	-0.298							
2266	12	43343	12	12.25	-0.254							
2267	13	43420	12	12.22	-0.221							
2268	14	43525	12	12.17	-0.174							
2269	15	43606	15	12.14	2.861							
2270	16	43691	11	12.1	-1.101							
2271	17	43789	12	12.06	-0.0584							
2272	18	43875	12	12.02	-0.0206							
2273	19	43969	10	11.98	-1.979							
2274	20	44064	11	11.94	-0.938							
2275	21	44249	11	11.86	-0.856							
2276	22	44333	8.1	11.82	-3.719							
2277	23	44512	12	11.74	0.259							
2278	24	44615	12	11.7	0.304							
2279	25	44697	11	11.66	-0.66							

	A	B	C	D	E	F	G	H	I	J	K	L
2280	26	44789	12	11.62	0.381							
2281	27	44880	16	11.58	4.421							
2282	28	44978	13	11.54	1.464							
2283	29	45061	12	11.5	0.5							
2284	30	45159	13	11.46	1.543							
2285	31	45247	10	11.42	-1.418							
2286	32	45341	11	11.38	-0.377							
2287	33	45443	10	11.33	-1.332							
2288	34	45533	11	11.29	-0.292							
2289	35	45615	10	11.26	-1.256							
2290	36	45714	12	11.21	0.787							
2291	N-74-05											
2292												
2293	General Statistics											
2294	Number of Events				37							
2295	Number Values Observations				38							
2296	Number Values Missing				1							
2297	Number of Values Reported (n)				37							
2298	Number of Replicates				0							
2299	Minimum				6.3							
2300	Maximum				32							
2301	Mean				14.95							
2302	Geometric Mean				14.56							
2303	Median				14.7							
2304	Standard Deviation				3.812							
2305	Coefficient of Variation				0.255							
2306												
2307	Mann-Kendall Statistics											
2308	M-K Test Value (S)				227							
2309	Critical Value (0.05)				1.645							
2310	Standard Deviation of S				75.44							
2311	Standardized Value of S				2.996							
2312	Approximate p-value				0.00137							
2313												
2314	Approximate inference for Theil-Sen Trend Test											
2315	Number of Slopes				666							
2316	Theil-Sen Slope				8.4034E-4							
2317	Theil-Sen Intercept				-22.25							
2318	M1'				271							
2319	One-sided 95% lower limit of Slope				2.1107E-4							
2320	95% LCL of Slope (0.025)				1.3230E-4							
2321	95% UCL of Slope (0.975)				0.00137							
2322												
2323	Statistically significant evidence of an increasing											
2324	trend at the specified level of significance.											
2325												
2326	Theil-Sen Trend Test Estimates and Residuals											
2327	#	Events	Values	Estimates	Residuals							
2328	1	42320	15.4	13.31	2.086							
2329	2	42418	15.3	13.4	1.903							
2330	3	42515	15.6	13.48	2.122							
2331	4	42607	14.7	13.56	1.145							
2332	5	42689	12	13.62	-1.624							

	A	B	C	D	E	F	G	H	I	J	K	L
2333	6	42790	12.8	13.71	-0.909							
2334	7	42881	13.4	13.79	-0.386							
2335	8	42963	12.7	13.85	-1.155							
2336	9	43053	12	13.93	-1.93							
2337	10	43150	14	14.01	-0.0118							
2338	11	43243	14	14.09	-0.0899							
2339	12	43341	14	14.17	-0.172							
2340	13	43420	14	14.24	-0.239							
2341	14	43525	15	14.33	0.673							
2342	15	43606	15	14.39	0.605							
2343	16	43690	14	14.47	-0.466							
2344	17	43789	14	14.55	-0.549							
2345	18	43875	14	14.62	-0.621							
2346	19	43969	15	14.7	0.3							
2347	20	44064	14	14.78	-0.78							
2348	21	44250	6.3	14.94	-8.636							
2349	22	44333	11	15.01	-4.006							
2350	23	44439	14	15.09	-1.095							
2351	24	44515	13	15.16	-2.159							
2352	25	44615	13	15.24	-2.243							
2353	26	44697	15	15.31	-0.312							
2354	27	44789	16	15.39	0.611							
2355	28	44880	15	15.47	-0.466							
2356	29	44978	15	15.55	-0.548							
2357	30	45061	20	15.62	4.382							
2358	31	45159	16	15.7	0.3							
2359	32	45247	16	15.77	0.226							
2360	33	45341	16	15.85	0.147							
2361	34	45446	16	15.94	0.0588							
2362	35	45533	15	16.01	-1.014							
2363	36	45615	32	16.08	15.92							
2364	37	45714	23	16.17	6.834							
2365	N-833-02											
2366												
2367	General Statistics											
2368	Number of Events				38							
2369	Number of Values Reported (n)				38							
2370	Number of Replicates				0							
2371	Minimum				27							
2372	Maximum				100							
2373	Mean				61.59							
2374	Geometric Mean				58.09							
2375	Median				65.5							
2376	Standard Deviation				19.66							
2377	Coefficient of Variation				0.319							
2378												
2379	Mann-Kendall Statistics											
2380	M-K Test Value (S)				-257							
2381	Critical Value (0.05)				-1.645							
2382	Standard Deviation of S				79.5							
2383	Standardized Value of S				-3.22							
2384	Approximate p-value				6.4110E-4							
2385												

	A	B	C	D	E	F	G	H	I	J	K	L
2386	Approximate inference for Theil-Sen Trend Test											
2387	Number of Slopes				703							
2388	Theil-Sen Slope				-0.0115							
2389	Theil-Sen Intercept				573.8							
2390	M2'				416.9							
2391	One-sided 95% upper limit of Slope				-0.00638							
2392	95% LCL of Slope (0.025)				-0.0153							
2393	95% UCL of Slope (0.975)				-0.00549							
2394												
2395	Statistically significant evidence of a decreasing											
2396	trend at the specified level of significance.											
2397												
2398	Theil-Sen Trend Test Estimates and Residuals											
2399	#	Events	Values	Estimates	Residuals							
2400	1	42326	74.5	85.05	-10.55							
2401	2	42422	48	83.94	-35.94							
2402	3	42521	79.9	82.8	-2.899							
2403	4	42611	69.5	81.76	-12.26							
2404	5	42692	68.5	80.82	-12.32							
2405	6	42794	62.3	79.65	-17.35							
2406	7	42885	71.2	78.6	-7.395							
2407	8	42979	90.2	77.51	12.69							
2408	9	43055	66.4	76.63	-10.23							
2409	10	43152	65	75.51	-10.51							
2410	11	43249	63	74.39	-11.39							
2411	12	43343	67	73.31	-6.306							
2412	13	43430	62	72.3	-10.3							
2413	14	43528	66	71.17	-5.17							
2414	15	43607	68	70.26	-2.258							
2415	16	43691	65	69.29	-4.288							
2416	17	43790	100	68.14	31.86							
2417	18	43878	63	67.13	-4.128							
2418	19	43971	81	66.05	14.95							
2419	20	44067	88	64.95	23.05							
2420	21	44153	89	63.95	25.05							
2421	22	44251	59	62.82	-3.821							
2422	23	44334	67	61.86	5.138							
2423	24	44425	80	60.81	19.19							
2424	25	44516	41	59.76	-18.76							
2425	26	44616	53	58.61	-5.606							
2426	27	44699	36	57.65	-21.65							
2427	28	44790	89	56.6	32.4							
2428	29	44882	72	55.53	16.47							
2429	30	44979	33	54.41	-21.41							
2430	31	45062	37	53.46	-16.46							
2431	32	45160	40	52.32	-12.32							
2432	33	45250	35	51.28	-16.28							
2433	34	45342	31	50.22	-19.22							
2434	35	45433	72	49.17	22.83							
2435	36	45534	30	48.01	-18.01							
2436	37	45616	31	47.06	-16.06							
2437	38	45715	27	45.91	-18.91							
2438	N-833-04											

	A	B	C	D	E	F	G	H	I	J	K	L
2439												
2440	General Statistics											
2441	Number of Events				38							
2442	Number of Values Reported (n)				38							
2443	Number of Replicates				0							
2444	Minimum				11.8							
2445	Maximum				42							
2446	Mean				29							
2447	Geometric Mean				27.75							
2448	Median				30.5							
2449	Standard Deviation				8.046							
2450	Coefficient of Variation				0.277							
2451												
2452	Mann-Kendall Statistics											
2453	M-K Test Value (S)				-9							
2454	Critical Value (0.05)				-1.645							
2455	Standard Deviation of S				79.4							
2456	Standardized Value of S				-0.101							
2457	Approximate p-value				0.46							
2458												
2459	Approximate inference for Theil-Sen Trend Test											
2460	Number of Slopes				703							
2461	Theil-Sen Slope				0							
2462	Theil-Sen Intercept				30.5							
2463	M1				273.7							
2464	M2				429.3							
2465	95% LCL of Slope (0.025)				-0.00247							
2466	95% UCL of Slope (0.975)				0.00351							
2467												
2468	Insufficient evidence to identify a significant											
2469	trend at the specified level of significance.											
2470												
2471	Theil-Sen Trend Test Estimates and Residuals											
2472	#	Events	Values	Estimates	Residuals							
2473	1	42327	11.8	30.5	-18.7							
2474	2	42422	12.7	30.5	-17.8							
2475	3	42517	21.6	30.5	-8.9							
2476	4	42611	40.6	30.5	10.1							
2477	5	42692	39.8	30.5	9.3							
2478	6	42795	31.5	30.5	1							
2479	7	42885	32	30.5	1.5							
2480	8	42978	37.3	30.5	6.8							
2481	9	43059	32.6	30.5	2.1							
2482	10	43151	20	30.5	-10.5							
2483	11	43244	34	30.5	3.5							
2484	12	43347	40	30.5	9.5							
2485	13	43430	42	30.5	11.5							
2486	14	43528	31	30.5	0.5							
2487	15	43608	29	30.5	-1.5							
2488	16	43692	40	30.5	9.5							
2489	17	43789	31	30.5	0.5							
2490	18	43878	20	30.5	-10.5							
2491	19	43971	18	30.5	-12.5							

	A	B	C	D	E	F	G	H	I	J	K	L
2492	20	44067	18	30.5	-12.5							
2493	21	44153	22	30.5	-8.5							
2494	22	44250	21	30.5	-9.5							
2495	23	44333	20	30.5	-10.5							
2496	24	44425	32	30.5	1.5							
2497	25	44515	24	30.5	-6.5							
2498	26	44616	29	30.5	-1.5							
2499	27	44697	36	30.5	5.5							
2500	28	44790	21	30.5	-9.5							
2501	29	44882	35	30.5	4.5							
2502	30	44978	37	30.5	6.5							
2503	31	45062	29	30.5	-1.5							
2504	32	45160	37	30.5	6.5							
2505	33	45250	35	30.5	4.5							
2506	34	45342	30	30.5	-0.5							
2507	35	45433	28	30.5	-2.5							
2508	36	45533	29	30.5	-1.5							
2509	37	45616	31	30.5	0.5							
2510	38	45715	23	30.5	-7.5							
2511	N-833-05											
2512												
2513	General Statistics											
2514	Number of Events				38							
2515	Number of Values Reported (n)				38							
2516	Number of Replicates				0							
2517	Minimum				19							
2518	Maximum				51.7							
2519	Mean				32.93							
2520	Geometric Mean				31.5							
2521	Median				31							
2522	Standard Deviation				9.811							
2523	Coefficient of Variation				0.298							
2524												
2525	Mann-Kendall Statistics											
2526	M-K Test Value (S)				-19							
2527	Critical Value (0.05)				-1.645							
2528	Standard Deviation of S				79.42							
2529	Standardized Value of S				-0.227							
2530	Approximate p-value				0.41							
2531												
2532	Approximate inference for Theil-Sen Trend Test											
2533	Number of Slopes				703							
2534	Theil-Sen Slope				-1.619E-4							
2535	Theil-Sen Intercept				38.13							
2536	M1				273.7							
2537	M2				429.3							
2538	95% LCL of Slope (0.025)				-0.00493							
2539	95% UCL of Slope (0.975)				0.00255							
2540												
2541	Insufficient evidence to identify a significant											
2542	trend at the specified level of significance.											
2543												
2544	Theil-Sen Trend Test Estimates and Residuals											

	A	B	C	D	E	F	G	H	I	J	K	L
2545	#	Events	Values	Estimates	Residuals							
2546	1	42326	20.9	31.27	-10.37							
2547	2	42419	22.3	31.26	-8.959							
2548	3	42516	20.7	31.24	-10.54							
2549	4	42611	21.9	31.23	-9.328							
2550	5	42691	22.4	31.22	-8.815							
2551	6	42795	20.9	31.2	-10.3							
2552	7	42886	25.9	31.18	-5.283							
2553	8	42978	42.5	31.17	11.33							
2554	9	43056	51.7	31.16	20.54							
2555	10	43153	42	31.14	10.86							
2556	11	43244	46	31.13	14.87							
2557	12	43343	35	31.11	3.891							
2558	13	43430	45	31.1	13.9							
2559	14	43529	46	31.08	14.92							
2560	15	43607	29	31.07	-2.067							
2561	16	43692	41	31.05	9.947							
2562	17	43789	35	31.04	3.963							
2563	18	43878	46	31.02	14.98							
2564	19	43970	19	31.01	-12.01							
2565	20	44068	44	30.99	13.01							
2566	21	44154	46	30.98	15.02							
2567	22	44252	45	30.96	14.04							
2568	23	44335	32	30.95	1.051							
2569	24	44425	34	30.93	3.066							
2570	25	44516	41	30.92	10.08							
2571	26	44630	45	30.9	14.1							
2572	27	44699	32	30.89	1.11							
2573	28	44791	26	30.87	-4.875							
2574	29	44886	28	30.86	-2.86							
2575	30	44980	30	30.84	-0.844							
2576	31	45110	24	30.82	-6.823							
2577	32	45161	22	30.82	-8.815							
2578	33	45251	21	30.8	-9.8							
2579	34	45344	28	30.79	-2.785							
2580	35	45434	24	30.77	-6.771							
2581	36	45534	27	30.75	-3.755							
2582	37	45617	30	30.74	-0.741							
2583	38	45716	39	30.73	8.275							
2584	N-833-06											
2585												
2586	General Statistics											
2587	Number of Events				38							
2588	Number of Values Reported (n)				38							
2589	Number of Replicates				0							
2590	Minimum				11							
2591	Maximum				70							
2592	Mean				33.75							
2593	Geometric Mean				29.9							
2594	Median				38.95							
2595	Standard Deviation				15.55							
2596	Coefficient of Variation				0.461							
2597												

	A	B	C	D	E	F	G	H	I	J	K	L
2598	Mann-Kendall Statistics											
2599	M-K Test Value (S)				-5							
2600	Critical Value (0.05)				-1.645							
2601	Standard Deviation of S				79.44							
2602	Standardized Value of S				-0.0504							
2603	Approximate p-value				0.48							
2604												
2605	Approximate inference for Theil-Sen Trend Test											
2606	Number of Slopes				703							
2607	Theil-Sen Slope				0							
2608	Theil-Sen Intercept				38.95							
2609	M1				273.6							
2610	M2				429.4							
2611	95% LCL of Slope (0.025)				-0.00375							
2612	95% UCL of Slope (0.975)				0.00423							
2613												
2614	Insufficient evidence to identify a significant											
2615	trend at the specified level of significance.											
2616												
2617	Theil-Sen Trend Test Estimates and Residuals											
2618	#	Events	Values	Estimates	Residuals							
2619	1	42327	51.1	38.95	12.15							
2620	2	42422	22	38.95	-16.95							
2621	3	42517	28.8	38.95	-10.15							
2622	4	42608	32.7	38.95	-6.25							
2623	5	42691	43.2	38.95	4.25							
2624	6	42795	40.4	38.95	1.45							
2625	7	42886	39.9	38.95	0.95							
2626	8	42979	18.5	38.95	-20.45							
2627	9	43055	16.9	38.95	-22.05							
2628	10	43153	15	38.95	-23.95							
2629	11	43249	11	38.95	-27.95							
2630	12	43347	16	38.95	-22.95							
2631	13	43431	24	38.95	-14.95							
2632	14	43529	47	38.95	8.05							
2633	15	43608	47	38.95	8.05							
2634	16	43692	47	38.95	8.05							
2635	17	43789	43	38.95	4.05							
2636	18	43878	19	38.95	-19.95							
2637	19	43970	44	38.95	5.05							
2638	20	44067	70	38.95	31.05							
2639	21	44153	53	38.95	14.05							
2640	22	44250	23	38.95	-15.95							
2641	23	44334	46	38.95	7.05							
2642	24	44425	46	38.95	7.05							
2643	25	44515	50	38.95	11.05							
2644	26	44615	14	38.95	-24.95							
2645	27	44697	44	38.95	5.05							
2646	28	44790	55	38.95	16.05							
2647	29	44882	38	38.95	-0.95							
2648	30	44978	14	38.95	-24.95							
2649	31	45061	44	38.95	5.05							
2650	32	45159	14	38.95	-24.95							

	A	B	C	D	E	F	G	H	I	J	K	L
2651	33	45250	15	38.95	-23.95							
2652	34	45342	17	38.95	-21.95							
2653	35	45433	50	38.95	11.05							
2654	36	45533	21	38.95	-17.95							
2655	37	45616	19	38.95	-19.95							
2656	38	45714	43	38.95	4.05							
2657	N-833-07											
2658												
2659	General Statistics											
2660	Number of Events				38							
2661	Number of Values Reported (n)				38							
2662	Number of Replicates				0							
2663	Minimum				62							
2664	Maximum				100							
2665	Mean				77.21							
2666	Geometric Mean				76.36							
2667	Median				74							
2668	Standard Deviation				11.86							
2669	Coefficient of Variation				0.154							
2670												
2671	Mann-Kendall Statistics											
2672	M-K Test Value (S)				-70							
2673	Critical Value (0.05)				-1.645							
2674	Standard Deviation of S				79.4							
2675	Standardized Value of S				-0.869							
2676	Approximate p-value				0.192							
2677												
2678	Approximate inference for Theil-Sen Trend Test											
2679	Number of Slopes				703							
2680	Theil-Sen Slope				-0.00182							
2681	Theil-Sen Intercept				154.3							
2682	M1				273.7							
2683	M2				429.3							
2684	95% LCL of Slope (0.025)				-0.0063							
2685	95% UCL of Slope (0.975)				0.00242							
2686												
2687	Insufficient evidence to identify a significant											
2688	trend at the specified level of significance.											
2689												
2690	Theil-Sen Trend Test Estimates and Residuals											
2691	#	Events	Values	Estimates	Residuals							
2692	1	42326	91	77.09	13.91							
2693	2	42418	97.4	76.92	20.48							
2694	3	42517	100	76.74	23.26							
2695	4	42611	92.2	76.57	15.63							
2696	5	42691	85.3	76.42	8.879							
2697	6	42795	78	76.23	1.768							
2698	7	42885	83.3	76.07	7.233							
2699	8	42978	78.7	75.9	2.802							
2700	9	43056	68.2	75.76	-7.556							
2701	10	43153	63	75.58	-12.58							
2702	11	43244	74	75.41	-1.413							
2703	12	43343	74	75.23	-1.232							

	A	B	C	D	E	F	G	H	I	J	K	L
2704	13	43430	70	75.07	-5.074							
2705	14	43528	65	74.9	-9.895							
2706	15	43607	69	74.75	-5.751							
2707	16	43692	74	74.6	-0.596							
2708	17	43789	74	74.42	-0.419							
2709	18	43878	68	74.26	-6.257							
2710	19	43970	67	74.09	-7.089							
2711	20	44068	68	73.91	-5.911							
2712	21	44154	62	73.75	-11.75							
2713	22	44251	62	73.58	-11.58							
2714	23	44334	65	73.43	-8.426							
2715	24	44426	70	73.26	-3.258							
2716	25	44516	67	73.09	-6.094							
2717	26	44630	66	72.89	-6.886							
2718	27	44699	92	72.76	19.24							
2719	28	44791	91	72.59	18.41							
2720	29	44883	63	72.42	-9.425							
2721	30	44979	70	72.25	-2.25							
2722	31	45062	92	72.1	19.9							
2723	32	45161	96	71.92	24.08							
2724	33	45251	77	71.75	5.246							
2725	34	45344	86	71.58	14.42							
2726	35	45442	100	71.41	28.59							
2727	36	45534	68	71.24	-3.238							
2728	37	45617	85	71.09	13.91							
2729	38	45716	82	70.91	11.09							
2730	N-833-08											
2731												
2732	General Statistics											
2733	Number of Events				38							
2734	Number of Values Reported (n)				38							
2735	Number of Replicates				0							
2736	Minimum				11							
2737	Maximum				71							
2738	Mean				47.28							
2739	Geometric Mean				44.71							
2740	Median				47							
2741	Standard Deviation				14.01							
2742	Coefficient of Variation				0.296							
2743												
2744	Mann-Kendall Statistics											
2745	M-K Test Value (S)				-38							
2746	Critical Value (0.05)				-1.645							
2747	Standard Deviation of S				79.46							
2748	Standardized Value of S				-0.466							
2749	Approximate p-value				0.321							
2750												
2751	Approximate inference for Theil-Sen Trend Test											
2752	Number of Slopes				703							
2753	Theil-Sen Slope				-6.874E-4							
2754	Theil-Sen Intercept				77.26							
2755	M1				273.6							
2756	M2				429.4							

	A	B	C	D	E	F	G	H	I	J	K	L
2757	95% LCL of Slope (0.025)				-0.00499							
2758	95% UCL of Slope (0.975)				0.00456							
2759												
2760	Insufficient evidence to identify a significant trend at the specified level of significance.											
2761												
2762												
2763	Theil-Sen Trend Test Estimates and Residuals											
2764	#	Events	Values	Estimates	Residuals							
2765	1	42326	56.9	48.16	8.737							
2766	2	42419	52.9	48.1	4.8							
2767	3	42517	46.5	48.03	-1.532							
2768	4	42611	25.6	47.97	-22.37							
2769	5	42692	48.3	47.91	0.388							
2770	6	42795	70.3	47.84	22.46							
2771	7	42886	67.6	47.78	19.82							
2772	8	42979	52.3	47.71	4.585							
2773	9	43056	54.3	47.66	6.638							
2774	10	43153	48	47.59	0.405							
2775	11	43244	52	47.53	4.468							
2776	12	43347	46	47.46	-1.462							
2777	13	43431	47	47.4	-0.404							
2778	14	43529	48	47.34	0.663							
2779	15	43608	43	47.28	-4.282							
2780	16	43691	46	47.23	-1.225							
2781	17	43789	43	47.16	-4.158							
2782	18	43878	49	47.1	1.903							
2783	19	43970	38	47.03	-9.033							
2784	20	44067	21	46.97	-25.97							
2785	21	44153	32	46.91	-14.91							
2786	22	44251	36	46.84	-10.84							
2787	23	44334	35	46.78	-11.78							
2788	24	44426	11	46.72	-35.72							
2789	25	44516	46	46.66	-0.658							
2790	26	44630	45	46.58	-1.58							
2791	27	44699	45	46.53	-1.532							
2792	28	44791	47	46.47	0.531							
2793	29	44883	25	46.41	-21.41							
2794	30	44979	30	46.34	-16.34							
2795	31	45062	49	46.28	2.717							
2796	32	45160	67	46.22	20.78							
2797	33	45251	67	46.15	20.85							
2798	34	45342	64	46.09	17.91							
2799	35	45434	45	46.03	-1.027							
2800	36	45533	58	45.96	12.04							
2801	37	45617	68	45.9	22.1							
2802	38	45715	71	45.83	25.17							
2803	N-833-09											
2804												
2805	General Statistics											
2806	Number of Events				38							
2807	Number of Values Reported (n)				38							
2808	Number of Replicates				0							
2809	Minimum				19							

	A	B	C	D	E	F	G	H	I	J	K	L
2810	Maximum				190							
2811	Mean				69.01							
2812	Geometric Mean				57.45							
2813	Median				59.1							
2814	Standard Deviation				44.07							
2815	Coefficient of Variation				0.639							
2816												
2817	Mann-Kendall Statistics											
2818	M-K Test Value (S)				-52							
2819	Critical Value (0.05)				-1.645							
2820	Standard Deviation of S				79.5							
2821	Standardized Value of S				-0.642							
2822	Approximate p-value				0.261							
2823												
2824	Approximate inference for Theil-Sen Trend Test											
2825	Number of Slopes				703							
2826	Theil-Sen Slope				-0.0042							
2827	Theil-Sen Intercept				244.1							
2828	M1				273.6							
2829	M2				429.4							
2830	95% LCL of Slope (0.025)				-0.024							
2831	95% UCL of Slope (0.975)				0.00923							
2832												
2833	Insufficient evidence to identify a significant											
2834	trend at the specified level of significance.											
2835												
2836	Theil-Sen Trend Test Estimates and Residuals											
2837	#	Events	Values	Estimates	Residuals							
2838	1	42326	109	66.22	42.78							
2839	2	42419	112	65.83	46.17							
2840	3	42516	71.8	65.42	6.382							
2841	4	42608	63.3	65.03	-1.731							
2842	5	42691	64.9	64.68	0.217							
2843	6	42794	65.6	64.25	1.35							
2844	7	42885	59.2	63.87	-4.667							
2845	8	42978	51.5	63.48	-11.98							
2846	9	43055	59	63.15	-4.152							
2847	10	43152	55	62.74	-7.745							
2848	11	43244	43	62.36	-19.36							
2849	12	43347	43	61.92	-18.92							
2850	13	43430	42	61.58	-19.58							
2851	14	43528	45	61.16	-16.16							
2852	15	43607	26	60.83	-34.83							
2853	16	43691	32	60.48	-28.48							
2854	17	43790	33	60.06	-27.06							
2855	18	43879	36	59.69	-23.69							
2856	19	43970	23	59.31	-36.31							
2857	20	44068	24	58.89	-34.89							
2858	21	44154	21	58.53	-37.53							
2859	22	44252	21	58.12	-37.12							
2860	23	44335	19	57.77	-38.77							
2861	24	44426	150	57.39	92.61							
2862	25	44517	110	57.01	52.99							

	A	B	C	D	E	F	G	H	I	J	K	L
2863	26	44630	120	56.53	63.47							
2864	27	44700	190	56.24	133.8							
2865	28	44791	190	55.85	134.1							
2866	29	44886	130	55.46	74.54							
2867	30	44980	100	55.06	44.94							
2868	31	45063	110	54.71	55.29							
2869	32	45161	64	54.3	9.701							
2870	33	45257	64	53.9	10.1							
2871	34	45344	68	53.53	14.47							
2872	35	45442	68	53.12	14.88							
2873	36	45534	51	52.73	-1.731							
2874	37	45618	42	52.38	-10.38							
2875	38	45716	46	51.97	-5.966							
2876	N-833-10											
2877												
2878	General Statistics											
2879	Number of Events				32							
2880	Number Values Observations				38							
2881	Number Values Missing				6							
2882	Number of Values Reported (n)				32							
2883	Number of Replicates				0							
2884	Minimum				1							
2885	Maximum				6.75							
2886	Mean				2.727							
2887	Geometric Mean				2.418							
2888	Median				2.35							
2889	Standard Deviation				1.396							
2890	Coefficient of Variation				0.512							
2891												
2892	Mann-Kendall Statistics											
2893	M-K Test Value (S)				-213							
2894	Critical Value (0.05)				-1.645							
2895	Standard Deviation of S				61.6							
2896	Standardized Value of S				-3.441							
2897	Approximate p-value				2.8940E-4							
2898												
2899	Approximate inference for Theil-Sen Trend Test											
2900	Number of Slopes				496							
2901	Theil-Sen Slope				-6.883E-4							
2902	Theil-Sen Intercept				32.46							
2903	M2'				298.7							
2904	One-sided 95% upper limit of Slope				-3.913E-4							
2905	95% LCL of Slope (0.025)				-0.0011							
2906	95% UCL of Slope (0.975)				-3.316E-4							
2907												
2908	Statistically significant evidence of a decreasing trend at the specified level of significance.											
2909												
2910												
2911	Theil-Sen Trend Test Estimates and Residuals											
2912	#	Events	Values	Estimates	Residuals							
2913	1	42326	2.69	3.324	-0.634							
2914	2	42419	2.5	3.26	-0.76							
2915	3	42516	4.22	3.193	1.027							

	A	B	C	D	E	F	G	H	I	J	K	L
2916	4	42608	4.38	3.129	1.251							
2917	5	42691	4.64	3.072	1.568							
2918	6	42795	3.9	3.001	0.899							
2919	7	42885	3.83	2.939	0.891							
2920	8	42978	6.75	2.875	3.875							
2921	9	43055	5.74	2.822	2.918							
2922	10	43153	3.5	2.754	0.746							
2923	11	43244	3.6	2.692	0.908							
2924	12	43343	3.3	2.624	0.676							
2925	13	43430	2.6	2.564	0.0363							
2926	14	43528	1.8	2.496	-0.696							
2927	15	43607	1.8	2.442	-0.642							
2928	16	43691	2	2.384	-0.384							
2929	17	43790	1.5	2.316	-0.816							
2930	18	44426	1.3	1.878	-0.578							
2931	19	44517	1.2	1.816	-0.616							
2932	20	44620	1	1.745	-0.745							
2933	21	44700	1.5	1.69	-0.19							
2934	22	44792	1.7	1.626	0.0737							
2935	23	44886	1.6	1.562	0.0384							
2936	24	44980	1.5	1.497	0.00315							
2937	25	45063	2.2	1.44	0.76							
2938	26	45162	3.4	1.372	2.028							
2939	27	45257	3.2	1.306	1.894							
2940	28	45344	3	1.246	1.754							
2941	29	45442	2.2	1.179	1.021							
2942	30	45538	2	1.113	0.887							
2943	31	45618	1.6	1.058	0.542							
2944	32	45716	1.1	0.99	0.11							
2945	N-86/340-01											
2946												
2947	General Statistics											
2948	Number of Events				38							
2949	Number of Values Reported (n)				38							
2950	Number of Replicates				0							
2951	Minimum				2.3							
2952	Maximum				13.4							
2953	Mean				6.132							
2954	Geometric Mean				5.114							
2955	Median				4.15							
2956	Standard Deviation				3.805							
2957	Coefficient of Variation				0.62							
2958												
2959	Mann-Kendall Statistics											
2960	M-K Test Value (S)				-540							
2961	Critical Value (0.05)				-1.645							
2962	Standard Deviation of S				79.4							
2963	Standardized Value of S				-6.788							
2964	Approximate p-value				5.675E-12							
2965												
2966	Approximate inference for Theil-Sen Trend Test											
2967	Number of Slopes				703							
2968	Theil-Sen Slope				-0.0033							

	A	B	C	D	E	F	G	H	I	J	K	L
2969	Theil-Sen Intercept				149.6							
2970	M2'				416.8							
2971	One-sided 95% upper limit of Slope				-0.00272							
2972	95% LCL of Slope (0.025)				-0.00406							
2973	95% UCL of Slope (0.975)				-0.0026							
2974												
2975	Statistically significant evidence of a decreasing											
2976	trend at the specified level of significance.											
2977												
2978	Theil-Sen Trend Test Estimates and Residuals											
2979	#	Events	Values	Estimates	Residuals							
2980	1	42318	11.7	9.749	1.951							
2981	2	42415	12.9	9.428	3.472							
2982	3	42509	11.2	9.118	2.082							
2983	4	42605	12.1	8.8	3.3							
2984	5	42684	11.6	8.539	3.061							
2985	6	42782	13.1	8.216	4.884							
2986	7	42873	13.4	7.915	5.485							
2987	8	42958	11.9	7.634	4.266							
2988	9	43048	10.5	7.337	3.163							
2989	10	43143	9.6	7.023	2.577							
2990	11	43241	8.3	6.699	1.601							
2991	12	43326	7.4	6.418	0.982							
2992	13	43420	7	6.108	0.892							
2993	14	43521	7	5.774	1.226							
2994	15	43601	7.5	5.51	1.99							
2995	16	43684	5.9	5.235	0.665							
2996	17	43784	5	4.905	0.095							
2997	18	43868	4.7	4.627	0.0726							
2998	19	43969	5.1	4.294	0.806							
2999	20	44056	3.6	4.006	-0.406							
3000	21	44146	3.4	3.709	-0.309							
3001	22	44242	2.9	3.392	-0.492							
3002	23	44322	3.2	3.127	0.0726							
3003	24	44417	2.8	2.814	-0.0135							
3004	25	44504	3.1	2.526	0.574							
3005	26	44606	3.2	2.189	1.011							
3006	27	44686	3.1	1.925	1.175							
3007	28	44781	3.4	1.611	1.789							
3008	29	44872	2.9	1.31	1.59							
3009	30	44965	3.2	1.003	2.197							
3010	31	45051	2.9	0.719	2.181							
3011	32	45146	2.5	0.405	2.095							
3012	33	45238	2.3	0.101	2.199							
3013	34	45331	3	-0.206	3.206							
3014	35	45425	3	-0.517	3.517							
3015	36	45523	2.5	-0.841	3.341							
3016	37	45607	2.9	-1.118	4.018							
3017	38	45706	3.2	-1.445	4.645							
3018	N-dad-01											
3019												
3020	General Statistics											
3021	Number of Events				38							

	A	B	C	D	E	F	G	H	I	J	K	L
3022	Number of Values Reported (n)				38							
3023	Number of Replicates				0							
3024	Minimum				2.7							
3025	Maximum				20							
3026	Mean				12.02							
3027	Geometric Mean				10.93							
3028	Median				12							
3029	Standard Deviation				4.579							
3030	Coefficient of Variation				0.381							
3031												
3032	Mann-Kendall Statistics											
3033	M-K Test Value (S)				154							
3034	Critical Value (0.05)				1.645							
3035	Standard Deviation of S				79.29							
3036	Standardized Value of S				1.93							
3037	Approximate p-value				0.0268							
3038												
3039	Approximate inference for Theil-Sen Trend Test											
3040	Number of Slopes				703							
3041	Theil-Sen Slope				0.00176							
3042	Theil-Sen Intercept				-65.46							
3043	M1				273.8							
3044	M2				429.2							
3045	95% LCL of Slope (0.025)				0							
3046	95% UCL of Slope (0.975)				0.0039							
3047												
3048	Insufficient evidence to identify a significant											
3049	trend at the specified level of significance.											
3050												
3051	Theil-Sen Trend Test Estimates and Residuals											
3052	#	Events	Values	Estimates	Residuals							
3053	1	42331	4.17	9.02	-4.85							
3054	2	42425	2.7	9.185	-6.485							
3055	3	42523	3.27	9.357	-6.087							
3056	4	42619	5.35	9.526	-4.176							
3057	5	42704	5.19	9.676	-4.486							
3058	6	42801	7.9	9.847	-1.947							
3059	7	42894	17	10.01	6.99							
3060	8	42971	10.4	10.15	0.254							
3061	9	43059	9.46	10.3	-0.84							
3062	10	43157	9.5	10.47	-0.973							
3063	11	43251	15	10.64	4.362							
3064	12	43336	15	10.79	4.212							
3065	13	43432	12	10.96	1.043							
3066	14	43529	11	11.13	-0.127							
3067	15	43607	13	11.26	1.735							
3068	16	43696	12	11.42	0.579							
3069	17	43802	12	11.61	0.392							
3070	18	43882	13	11.75	1.252							
3071	19	43980	15	11.92	3.079							
3072	20	44070	16	12.08	3.921							
3073	21	44165	16	12.25	3.754							
3074	22	44256	18	12.41	5.594							

	A	B	C	D	E	F	G	H	I	J	K	L
3075	23	44348	19	12.57	6.432							
3076	24	44433	20	12.72	7.282							
3077	25	44523	18	12.88	5.124							
3078	26	44623	20	13.05	6.948							
3079	27	44705	16	13.2	2.804							
3080	28	44797	10	13.36	-3.358							
3081	29	44896	12	13.53	-1.532							
3082	30	44987	16	13.69	2.307							
3083	31	45071	13	13.84	-0.84							
3084	32	45168	13	14.01	-1.011							
3085	33	45265	11	14.18	-3.182							
3086	34	45352	11	14.33	-3.335							
3087	35	45449	11	14.51	-3.505							
3088	36	45544	7.8	14.67	-6.872							
3089	37	45630	7	14.82	-7.824							
3090	38	45723	8.9	14.99	-6.087							
3091	N-dad-02											
3092												
3093	General Statistics											
3094	Number of Events				37							
3095	Number of Values Reported (n)				37							
3096	Number of Replicates				0							
3097	Minimum				5.4							
3098	Maximum				11.7							
3099	Mean				8.92							
3100	Geometric Mean				8.767							
3101	Median				9							
3102	Standard Deviation				1.609							
3103	Coefficient of Variation				0.18							
3104												
3105	Mann-Kendall Statistics											
3106	M-K Test Value (S)				-352							
3107	Critical Value (0.05)				-1.645							
3108	Standard Deviation of S				76.42							
3109	Standardized Value of S				-4.593							
3110	Approximate p-value				2.1841E-6							
3111												
3112	Approximate inference for Theil-Sen Trend Test											
3113	Number of Slopes				666							
3114	Theil-Sen Slope				-0.00122							
3115	Theil-Sen Intercept				62.52							
3116	M2'				395.8							
3117	One-sided 95% upper limit of Slope				-8.519E-4							
3118	95% LCL of Slope (0.025)				-0.00159							
3119	95% UCL of Slope (0.975)				-7.515E-4							
3120												
3121	Statistically significant evidence of a decreasing											
3122	trend at the specified level of significance.											
3123												
3124	Theil-Sen Trend Test Estimates and Residuals											
3125	#	Events	Values	Estimates	Residuals							
3126	1	42331	10.3	11.01	-0.707							
3127	2	42425	10.7	10.89	-0.192							

	A	B	C	D	E	F	G	H	I	J	K	L
3128	3	42523	9.45	10.77	-1.323							
3129	4	42619	9.1	10.66	-1.556							
3130	5	42704	10.1	10.55	-0.453							
3131	6	42801	11.5	10.43	1.065							
3132	7	42894	11.3	10.32	0.978							
3133	8	42971	11.4	10.23	1.172							
3134	9	43059	11.7	10.12	1.579							
3135	10	43157	10	10	-0.00155							
3136	11	43251	9.4	9.887	-0.487							
3137	12	43336	11	9.784	1.216							
3138	13	43432	10	9.667	0.333							
3139	14	43529	7.6	9.549	-1.949							
3140	15	43607	7.8	9.454	-1.654							
3141	16	43696	8.3	9.346	-1.046							
3142	17	43803	8.9	9.215	-0.315							
3143	18	43882	8.9	9.119	-0.219							
3144	19	43980	8.5	9	-0.5							
3145	20	44071	8.1	8.889	-0.789							
3146	21	44166	9	8.774	0.226							
3147	22	44257	9.4	8.663	0.737							
3148	23	44350	8.7	8.55	0.15							
3149	24	44434	8.8	8.448	0.352							
3150	25	44530	9	8.331	0.669							
3151	26	44636	8.8	8.202	0.598							
3152	27	44706	9.5	8.116	1.384							
3153	28	44799	9.6	8.003	1.597							
3154	29	44900	8.7	7.88	0.82							
3155	30	44988	9.2	7.773	1.427							
3156	31	45072	8.4	7.671	0.729							
3157	32	45174	6.9	7.547	-0.647							
3158	33	45266	6.5	7.435	-0.935							
3159	34	45355	6.4	7.327	-0.927							
3160	35	45450	5.8	7.211	-1.411							
3161	36	45545	5.4	7.095	-1.695							
3162	37	45727	5.9	6.874	-0.974							
3163	N-dad-03											
3164												
3165	General Statistics											
3166	Number of Events				5							
3167	Number Values Observations				37							
3168	Number Values Missing				32							
3169	Number of Values Reported (n)				5							
3170	Number of Replicates				0							
3171	Minimum				0.0823							
3172	Maximum				0.874							
3173	Mean				0.316							
3174	Geometric Mean				0.227							
3175	Median				0.222							
3176	Standard Deviation				0.319							
3177	Coefficient of Variation				1.009							
3178												
3179	Mann-Kendall Statistics											
3180	M-K Test Value (S)				-6							

	A	B	C	D	E	F	G	H	I	J	K	L
3181	Tabulated p-value				0.117							
3182	Standard Deviation of S				4.082							
3183	Standardized Value of S				-1.225							
3184	Approximate p-value				0.11							
3185												
3186	Approximate inference for Theil-Sen Trend Test											
3187	Number of Slopes				10							
3188	Theil-Sen Slope				-0.00104							
3189	Theil-Sen Intercept				44.8							
3190	M1				0.999							
3191	M2				9.001							
3192	95% LCL of Slope (0.025)				-0.00381							
3193	95% UCL of Slope (0.975)				4.3724E-4							
3194												
3195	Insufficient evidence to identify a significant											
3196	trend at the specified level of significance.											
3197												
3198	Theil-Sen Trend Test Estimates and Residuals											
3199	#	Events	Values	Estimates	Residuals							
3200	1	42704	0.874	0.419	0.455							
3201	2	42801	0.251	0.319	-0.0676							
3202	3	42894	0.15	0.222	-0.072							
3203	4	42971	0.0823	0.142	-0.0597							
3204	5	43059	0.222	0.0505	0.171							
3205	N-dad-04											
3206												
3207	General Statistics											
3208	Number of Events				16							
3209	Number Values Observations				35							
3210	Number Values Missing				19							
3211	Number of Values Reported (n)				16							
3212	Number of Replicates				0							
3213	Minimum				0.0853							
3214	Maximum				7.5							
3215	Mean				2.268							
3216	Geometric Mean				1.058							
3217	Median				1.43							
3218	Standard Deviation				2.316							
3219	Coefficient of Variation				1.021							
3220												
3221	Mann-Kendall Statistics											
3222	M-K Test Value (S)				60							
3223	Tabulated p-value				0.003							
3224	Standard Deviation of S				22.21							
3225	Standardized Value of S				2.656							
3226	Approximate p-value				0.00395							
3227												
3228	Approximate inference for Theil-Sen Trend Test											
3229	Number of Slopes				120							
3230	Theil-Sen Slope				0.00116							
3231	Theil-Sen Intercept				-49.78							
3232	M1'				41.73							
3233	One-sided 95% lower limit of Slope				4.6770E-4							

	A	B	C	D	E	F	G	H	I	J	K	L
3234	95% LCL of Slope (0.025)				4.2897E-4							
3235	95% UCL of Slope (0.975)				0.00212							
3236												
3237	Statistically significant evidence of an increasing trend at the specified level of significance.											
3238												
3239												
3240	Theil-Sen Trend Test Estimates and Residuals											
3241	#	Events	Values	Estimates	Residuals							
3242	1	42331	0.0853	-0.749	0.834							
3243	2	42523	0.633	-0.526	1.159							
3244	3	42706	1.46	-0.314	1.774							
3245	4	42801	0.257	-0.204	0.461							
3246	5	42894	0.133	-0.0966	0.23							
3247	6	42971	0.109	-0.00745	0.116							
3248	7	43059	0.314	0.0945	0.22							
3249	8	44167	4.4	1.378	3.022							
3250	9	44257	1.4	1.482	-0.0821							
3251	10	44350	5	1.59	3.41							
3252	11	44439	7.5	1.693	5.807							
3253	12	44531	2.1	1.799	0.301							
3254	13	44636	2.3	1.921	0.379							
3255	14	44707	1.1	2.003	-0.903							
3256	15	45453	3.9	2.867	1.033							
3257	16	45546	5.6	2.975	2.625							
3258	N-dad-05											
3259												
3260	General Statistics											
3261	Number of Events				13							
3262	Number Values Observations				37							
3263	Number Values Missing				24							
3264	Number of Values Reported (n)				13							
3265	Number of Replicates				0							
3266	Minimum				1.56							
3267	Maximum				14							
3268	Mean				5.008							
3269	Geometric Mean				3.789							
3270	Median				2.7							
3271	Standard Deviation				3.965							
3272	Coefficient of Variation				0.792							
3273												
3274	Mann-Kendall Statistics											
3275	M-K Test Value (S)				-28							
3276	Tabulated p-value				0.05							
3277	Standard Deviation of S				16.39							
3278	Standardized Value of S				-1.647							
3279	Approximate p-value				0.0498							
3280												
3281	Approximate inference for Theil-Sen Trend Test											
3282	Number of Slopes				78							
3283	Theil-Sen Slope				-0.00149							
3284	Theil-Sen Intercept				66.73							
3285	M1				22.94							
3286	M2				55.06							

	A	B	C	D	E	F	G	H	I	J	K	L
3287	95% LCL of Slope (0.025)				-0.00608							
3288	95% UCL of Slope (0.975)				4.8983E-4							
3289												
3290	Insufficient evidence to identify a significant trend at the specified level of significance.											
3291												
3292												
3293	Theil-Sen Trend Test Estimates and Residuals											
3294	#	Events	Values	Estimates	Residuals							
3295	1	42425	9.43	3.515	5.915							
3296	2	42523	5.26	3.369	1.891							
3297	3	42619	5	3.226	1.774							
3298	4	42706	2.7	3.096	-0.396							
3299	5	42801	8.37	2.955	5.415							
3300	6	42894	1.56	2.816	-1.256							
3301	7	42972	8.77	2.7	6.07							
3302	8	43066	2.31	2.56	-0.25							
3303	9	43433	2.2	2.013	0.187							
3304	10	43529	2	1.87	0.13							
3305	11	43608	1.9	1.752	0.148							
3306	12	44074	1.6	1.058	0.542							
3307	13	44441	14	0.511	13.49							
3308	N-dad-06r											
3309												
3310	General Statistics											
3311	Number of Events				10							
3312	Number of Values Reported (n)				10							
3313	Number of Replicates				0							
3314	Minimum				3.9							
3315	Maximum				15							
3316	Mean				9.11							
3317	Geometric Mean				8.321							
3318	Median				9							
3319	Standard Deviation				3.843							
3320	Coefficient of Variation				0.422							
3321												
3322	Mann-Kendall Statistics											
3323	M-K Test Value (S)				38							
3324	Tabulated p-value				0							
3325	Standard Deviation of S				11.14							
3326	Standardized Value of S				3.323							
3327	Approximate p-value				4.4576E-4							
3328												
3329	Approximate inference for Theil-Sen Trend Test											
3330	Number of Slopes				45							
3331	Theil-Sen Slope				0.014							
3332	Theil-Sen Intercept				-625.9							
3333	M1'				13.34							
3334	One-sided 95% lower limit of Slope				0.0103							
3335	95% LCL of Slope (0.025)				0.00987							
3336	95% UCL of Slope (0.975)				0.0167							
3337												
3338	Statistically significant evidence of an increasing trend at the specified level of significance.											
3339												

	A	B	C	D	E	F	G	H	I	J	K	L
3340												
3341	Theil-Sen Trend Test Estimates and Residuals											
3342	#	Events	Values	Estimates	Residuals							
3343	1	44901	3.9	3.241	0.659							
3344	2	44992	4.5	4.516	-0.0159							
3345	3	45076	6.4	5.693	0.707							
3346	4	45175	6.3	7.08	-0.78							
3347	5	45268	9.6	8.383	1.217							
3348	6	45356	8.4	9.617	-1.217							
3349	7	45454	11	10.99	0.0102							
3350	8	45547	13	12.29	0.707							
3351	9	45632	15	13.48	1.516							
3352	10	45728	13	14.83	-1.829							
3353	N-dad-07											
3354												
3355	General Statistics											
3356	Number of Events				38							
3357	Number of Values Reported (n)				38							
3358	Number of Replicates				0							
3359	Minimum				4.87							
3360	Maximum				70							
3361	Mean				19.94							
3362	Geometric Mean				15.66							
3363	Median				15.5							
3364	Standard Deviation				15.62							
3365	Coefficient of Variation				0.783							
3366												
3367	Mann-Kendall Statistics											
3368	M-K Test Value (S)				619							
3369	Critical Value (0.05)				1.645							
3370	Standard Deviation of S				79.32							
3371	Standardized Value of S				7.792							
3372	Approximate p-value				3.331E-15							
3373												
3374	Approximate inference for Theil-Sen Trend Test											
3375	Number of Slopes				703							
3376	Theil-Sen Slope				0.0074							
3377	Theil-Sen Intercept				-310.2							
3378	M1'				286.3							
3379	One-sided 95% lower limit of Slope				0.00656							
3380	95% LCL of Slope (0.025)				0.00634							
3381	95% UCL of Slope (0.975)				0.0106							
3382												
3383	Statistically significant evidence of an increasing											
3384	trend at the specified level of significance.											
3385												
3386	Theil-Sen Trend Test Estimates and Residuals											
3387	#	Events	Values	Estimates	Residuals							
3388	1	42338	6.82	2.978	3.842							
3389	2	42430	5.27	3.658	1.612							
3390	3	42529	4.87	4.391	0.479							
3391	4	42620	5.5	5.064	0.436							
3392	5	42709	4.97	5.722	-0.752							

	A	B	C	D	E	F	G	H	I	J	K	L
3393	6	42804	6.07	6.425	-0.355							
3394	7	42892	7.69	7.076	0.614							
3395	8	42975	11.2	7.689	3.511							
3396	9	43067	12.3	8.37	3.93							
3397	10	43158	12	9.043	2.957							
3398	11	43252	12	9.738	2.262							
3399	12	43339	12	10.38	1.618							
3400	13	43433	11	11.08	-0.077							
3401	14	43532	12	11.81	0.191							
3402	15	43609	12	12.38	-0.379							
3403	16	43698	13	13.04	-0.037							
3404	17	43804	13	13.82	-0.821							
3405	18	43886	14	14.43	-0.428							
3406	19	43985	15	15.16	-0.16							
3407	20	44077	16	15.84	0.16							
3408	21	44169	17	16.52	0.479							
3409	22	44258	17	17.18	-0.179							
3410	23	44351	18	17.87	0.133							
3411	24	44440	18	18.53	-0.525							
3412	25	44537	18	19.24	-1.243							
3413	26	44642	18	20.02	-2.019							
3414	27	44713	17	20.54	-3.544							
3415	28	44817	17	21.31	-4.314							
3416	29	44902	20	21.94	-1.942							
3417	30	44994	19	22.62	-3.623							
3418	31	45082	25	23.27	1.726							
3419	32	45175	34	23.96	10.04							
3420	33	45273	43	24.69	18.31							
3421	34	45359	50	25.32	24.68							
3422	35	45456	49	26.04	22.96							
3423	36	45552	49	26.75	22.25							
3424	37	45636	70	27.37	42.63							
3425	38	45730	52	28.07	23.93							
3426	N-dad-08											
3427												
3428	General Statistics											
3429	Number of Events				38							
3430	Number of Values Reported (n)				38							
3431	Number of Replicates				0							
3432	Minimum				32.8							
3433	Maximum				66.1							
3434	Mean				44.42							
3435	Geometric Mean				44.11							
3436	Median				44							
3437	Standard Deviation				5.502							
3438	Coefficient of Variation				0.124							
3439												
3440	Mann-Kendall Statistics											
3441	M-K Test Value (S)				-60							
3442	Critical Value (0.05)				-1.645							
3443	Standard Deviation of S				79.13							
3444	Standardized Value of S				-0.746							
3445	Approximate p-value				0.228							

	A	B	C	D	E	F	G	H	I	J	K	L
3446												
3447	Approximate inference for Theil-Sen Trend Test											
3448	Number of Slopes				703							
3449	Theil-Sen Slope				-4.355E-4							
3450	Theil-Sen Intercept				63.17							
3451	M1				274							
3452	M2				429							
3453	95% LCL of Slope (0.025)				-0.00219							
3454	95% UCL of Slope (0.975)				7.3373E-4							
3455												
3456	Insufficient evidence to identify a significant											
3457	trend at the specified level of significance.											
3458												
3459	Theil-Sen Trend Test Estimates and Residuals											
3460	#	Events	Values	Estimates	Residuals							
3461	1	42331	66.1	44.74	21.36							
3462	2	42425	51.2	44.7	6.501							
3463	3	42523	52.9	44.66	8.244							
3464	4	42619	44.4	44.61	-0.214							
3465	5	42706	45.9	44.58	1.323							
3466	6	42801	44.8	44.54	0.265							
3467	7	42894	37.9	44.49	-6.595							
3468	8	42972	32.8	44.46	-11.66							
3469	9	43066	32.9	44.42	-11.52							
3470	10	43157	51	44.38	6.62							
3471	11	43251	43	44.34	-1.339							
3472	12	43336	47	44.3	2.698							
3473	13	43433	40	44.26	-4.26							
3474	14	43529	42	44.22	-2.218							
3475	15	43608	47	44.18	2.816							
3476	16	43696	39	44.15	-5.145							
3477	17	43803	43	44.1	-1.099							
3478	18	43882	40	44.06	-4.064							
3479	19	43984	43	44.02	-1.02							
3480	20	44076	42	43.98	-1.98							
3481	21	44168	42	43.94	-1.94							
3482	22	44258	45	43.9	1.099							
3483	23	44354	50	43.86	6.141							
3484	24	44441	46	43.82	2.179							
3485	25	44536	46	43.78	2.22							
3486	26	44638	44	43.74	0.265							
3487	27	44712	47	43.7	3.297							
3488	28	44816	46	43.66	2.342							
3489	29	44903	45	43.62	1.38							
3490	30	44993	45	43.58	1.419							
3491	31	45082	44	43.54	0.458							
3492	32	45181	42	43.5	-1.499							
3493	33	45273	42	43.46	-1.459							
3494	34	45359	46	43.42	2.579							
3495	35	45455	43	43.38	-0.379							
3496	36	45551	42	43.34	-1.338							
3497	37	45632	44	43.3	0.698							
3498	38	45729	43	43.26	-0.26							

	A	B	C	D	E	F	G	H	I	J	K	L
3499	N-dad-09											
3500												
3501	General Statistics											
3502	Number of Events				38							
3503	Number of Values Reported (n)				38							
3504	Number of Replicates				0							
3505	Minimum				4.95							
3506	Maximum				120							
3507	Mean				46.72							
3508	Geometric Mean				40.35							
3509	Median				38.5							
3510	Standard Deviation				25.7							
3511	Coefficient of Variation				0.55							
3512												
3513	Mann-Kendall Statistics											
3514	M-K Test Value (S)				-72							
3515	Critical Value (0.05)				-1.645							
3516	Standard Deviation of S				79.46							
3517	Standardized Value of S				-0.893							
3518	Approximate p-value				0.186							
3519												
3520	Approximate inference for Theil-Sen Trend Test											
3521	Number of Slopes				703							
3522	Theil-Sen Slope				-0.00364							
3523	Theil-Sen Intercept				198.8							
3524	M1				273.6							
3525	M2				429.4							
3526	95% LCL of Slope (0.025)				-0.00961							
3527	95% UCL of Slope (0.975)				0.00475							
3528												
3529	Insufficient evidence to identify a significant											
3530	trend at the specified level of significance.											
3531												
3532	Theil-Sen Trend Test Estimates and Residuals											
3533	#	Events	Values	Estimates	Residuals							
3534	1	42331	4.95	44.69	-39.74							
3535	2	42429	16.2	44.33	-28.13							
3536	3	42527	34.9	43.97	-9.074							
3537	4	42620	36	43.64	-7.636							
3538	5	42710	50.2	43.31	6.892							
3539	6	42804	55.4	42.97	12.43							
3540	7	42895	66.8	42.63	24.17							
3541	8	42970	43.9	42.36	1.538							
3542	9	43067	49	42.01	6.991							
3543	10	43159	60	41.67	18.33							
3544	11	43255	66	41.32	24.68							
3545	12	43339	76	41.02	34.98							
3546	13	43434	74	40.67	33.33							
3547	14	43531	100	40.32	59.68							
3548	15	43609	120	40.04	79.96							
3549	16	43698	120	39.71	80.29							
3550	17	43805	40	39.32	0.677							
3551	18	43880	72	39.05	32.95							

	A	B	C	D	E	F	G	H	I	J	K	L
3552	19	43985	46	38.67	7.333							
3553	20	44077	22	38.33	-16.33							
3554	21	44172	24	37.99	-13.99							
3555	22	44263	29	37.66	-8.656							
3556	23	44344	24	37.36	-13.36							
3557	24	44442	42	37	4.996							
3558	25	44537	35	36.66	-1.658							
3559	26	44642	32	36.28	-4.276							
3560	27	44713	33	36.02	-3.018							
3561	28	44817	32	35.64	-3.639							
3562	29	44904	36	35.32	0.677							
3563	30	44994	35	34.99	0.005							
3564	31	45083	33	34.67	-1.671							
3565	32	45182	30	34.31	-4.311							
3566	33	45274	33	33.98	-0.976							
3567	34	45362	49	33.66	15.34							
3568	35	45456	49	33.31	15.69							
3569	36	45552	37	32.96	4.036							
3570	37	45637	51	32.65	18.35							
3571	38	45730	18	32.32	-14.32							
3572	N-dad-10											
3573												
3574	General Statistics											
3575	Number of Events				32							
3576	Number Values Observations				38							
3577	Number Values Missing				6							
3578	Number of Values Reported (n)				32							
3579	Number of Replicates				0							
3580	Minimum				0.17							
3581	Maximum				16.9							
3582	Mean				4.601							
3583	Geometric Mean				2.464							
3584	Median				1.5							
3585	Standard Deviation				5.375							
3586	Coefficient of Variation				1.168							
3587												
3588	Mann-Kendall Statistics											
3589	M-K Test Value (S)				-327							
3590	Critical Value (0.05)				-1.645							
3591	Standard Deviation of S				61.54							
3592	Standardized Value of S				-5.297							
3593	Approximate p-value				5.8853E-8							
3594												
3595	Approximate inference for Theil-Sen Trend Test											
3596	Number of Slopes				496							
3597	Theil-Sen Slope				-0.00237							
3598	Theil-Sen Intercept				105.2							
3599	M2'				298.6							
3600	One-sided 95% upper limit of Slope				-9.257E-4							
3601	95% LCL of Slope (0.025)				-0.00486							
3602	95% UCL of Slope (0.975)				-8.001E-4							
3603												
3604	Statistically significant evidence of a decreasing											

	A	B	C	D	E	F	G	H	I	J	K	L
3605	trend at the specified level of significance.											
3606												
3607	Theil-Sen Trend Test Estimates and Residuals											
3608	#	Events	Values	Estimates	Residuals							
3609	1	42332	0.723	4.859	-4.136							
3610	2	42429	10.5	4.63	5.87							
3611	3	42527	16.9	4.397	12.5							
3612	4	42620	14.8	4.177	10.62							
3613	5	42710	15.6	3.964	11.64							
3614	6	42802	8.4	3.746	4.654							
3615	7	42895	15.5	3.526	11.97							
3616	8	42972	1.14	3.343	-2.203							
3617	9	43067	14.5	3.118	11.38							
3618	10	43159	9.1	2.9	6.2							
3619	11	43255	5.5	2.673	2.827							
3620	12	43339	4.1	2.474	1.626							
3621	13	43434	4.9	2.249	2.651							
3622	14	43535	2.5	2.009	0.491							
3623	15	43609	1.7	1.834	-0.134							
3624	16	43699	1.7	1.621	0.0792							
3625	17	43801	1.7	1.379	0.321							
3626	18	43880	1.5	1.192	0.308							
3627	19	43986	1.3	0.941	0.359							
3628	20	44077	1.3	0.725	0.575							
3629	21	44159	1.5	0.531	0.969							
3630	22	44263	1.5	0.285	1.215							
3631	23	44432	1	-0.116	1.116							
3632	24	44538	1.4	-0.367	1.767							
3633	25	44643	1.4	-0.616	2.016							
3634	26	44714	1.2	-0.784	1.984							
3635	27	44904	1.2	-1.234	2.434							
3636	28	44995	1.3	-1.45	2.75							
3637	29	45086	1.1	-1.665	2.765							
3638	30	45182	1	-1.893	2.893							
3639	31	45274	1.1	-2.111	3.211							
3640	32	45638	0.17	-2.973	3.143							
3641	N-dad-11											
3642												
3643	General Statistics											
3644	Number of Events				37							
3645	Number of Values Reported (n)				37							
3646	Number of Replicates				0							
3647	Minimum				3.8							
3648	Maximum				52							
3649	Mean				17.98							
3650	Geometric Mean				15.23							
3651	Median				13							
3652	Standard Deviation				12.48							
3653	Coefficient of Variation				0.694							
3654												
3655	Mann-Kendall Statistics											
3656	M-K Test Value (S)				133							
3657	Critical Value (0.05)				1.645							

	A	B	C	D	E	F	G	H	I	J	K	L
3658	Standard Deviation of S				75.81							
3659	Standardized Value of S				1.741							
3660	Approximate p-value				0.0408							
3661												
3662	Approximate inference for Theil-Sen Trend Test											
3663	Number of Slopes				666							
3664	Theil-Sen Slope				0.00197							
3665	Theil-Sen Intercept				-74.03							
3666	M1				258.7							
3667	M2				407.3							
3668	95% LCL of Slope (0.025)				0							
3669	95% UCL of Slope (0.975)				0.00658							
3670												
3671	Insufficient evidence to identify a significant											
3672	trend at the specified level of significance.											
3673												
3674	Theil-Sen Trend Test Estimates and Residuals											
3675	#	Events	Values	Estimates	Residuals							
3676	1	42332	17.1	9.566	7.534							
3677	2	42429	13.5	9.757	3.743							
3678	3	42529	14.3	9.955	4.345							
3679	4	42621	15.4	10.14	5.263							
3680	5	42709	7.4	10.31	-2.91							
3681	6	42802	14	10.49	3.506							
3682	7	42892	12.3	10.67	1.628							
3683	8	42976	11.5	10.84	0.662							
3684	9	43068	3.8	11.02	-7.219							
3685	10	43157	10	11.2	-1.195							
3686	11	43251	14	11.38	2.619							
3687	12	43341	16	11.56	4.442							
3688	13	43437	13	11.75	1.252							
3689	14	43535	13	11.94	1.058							
3690	15	43613	13	12.1	0.904							
3691	16	43697	13	12.26	0.739							
3692	17	43811	13	12.49	0.513							
3693	18	43887	12	12.64	-0.637							
3694	19	44071	11	13	-2							
3695	20	44166	13	13.19	-0.188							
3696	21	44256	13	13.37	-0.365							
3697	22	44348	12	13.55	-1.547							
3698	23	44433	12	13.71	-1.715							
3699	24	44530	12	13.91	-1.906							
3700	25	44635	11	14.11	-3.114							
3701	26	44706	12	14.25	-2.254							
3702	27	44798	12	14.44	-2.436							
3703	28	44897	11	14.63	-3.631							
3704	29	44988	13	14.81	-1.811							
3705	30	45071	17	14.97	2.025							
3706	31	45169	24	15.17	8.832							
3707	32	45266	31	15.36	15.64							
3708	33	45352	39	15.53	23.47							
3709	34	45450	46	15.72	30.28							
3710	35	45544	48	15.91	32.09							

	A	B	C	D	E	F	G	H	I	J	K	L
3711	36	45631	52	16.08	35.92							
3712	37	45726	50	16.27	33.73							
3713	N-dad-12											
3714												
3715	General Statistics											
3716	Number of Events				38							
3717	Number of Values Reported (n)				38							
3718	Number of Replicates				0							
3719	Minimum				9.6							
3720	Maximum				25.7							
3721	Mean				15.44							
3722	Geometric Mean				14.82							
3723	Median				14.5							
3724	Standard Deviation				4.58							
3725	Coefficient of Variation				0.297							
3726												
3727	Mann-Kendall Statistics											
3728	M-K Test Value (S)				-506							
3729	Critical Value (0.05)				-1.645							
3730	Standard Deviation of S				78.96							
3731	Standardized Value of S				-6.396							
3732	Approximate p-value				7.975E-11							
3733												
3734	Approximate inference for Theil-Sen Trend Test											
3735	Number of Slopes				703							
3736	Theil-Sen Slope				-0.00368							
3737	Theil-Sen Intercept				176.3							
3738	M2'				416.4							
3739	One-sided 95% upper limit of Slope				-0.00324							
3740	95% LCL of Slope (0.025)				-0.00439							
3741	95% UCL of Slope (0.975)				-0.00312							
3742												
3743	Statistically significant evidence of a decreasing											
3744	trend at the specified level of significance.											
3745												
3746	Theil-Sen Trend Test Estimates and Residuals											
3747	#	Events	Values	Estimates	Residuals							
3748	1	42332	19.8	20.72	-0.922							
3749	2	42429	20.7	20.37	0.335							
3750	3	42529	18.2	20	-1.798							
3751	4	42621	19.2	19.66	-0.46							
3752	5	42709	20.7	19.34	1.364							
3753	6	42802	25.7	18.99	6.705							
3754	7	42898	21	18.64	2.358							
3755	8	42975	25.6	18.36	7.241							
3756	9	43068	19.3	18.02	1.283							
3757	10	43158	21	17.69	3.314							
3758	11	43252	21	17.34	3.659							
3759	12	43340	20	17.02	2.983							
3760	13	43437	17	16.66	0.339							
3761	14	43535	18	16.3	1.699							
3762	15	43613	15	16.01	-1.014							
3763	16	43697	15	15.71	-0.705							

	A	B	C	D	E	F	G	H	I	J	K	L
3764	17	43802	20	15.32	4.68							
3765	18	43887	15	15.01	-0.00716							
3766	19	43980	15	14.67	0.335							
3767	20	44070	13	14.33	-1.335							
3768	21	44165	14	13.99	0.0145							
3769	22	44256	13	13.65	-0.651							
3770	23	44348	12	13.31	-1.313							
3771	24	44433	13	13	-5.803E-4							
3772	25	44523	12	12.67	-0.67							
3773	26	44623	12	12.3	-0.302							
3774	27	44705	11	12	-1.001							
3775	28	44798	11	11.66	-0.659							
3776	29	44896	11	11.3	-0.299							
3777	30	44987	11	10.96	0.0354							
3778	31	45071	10	10.66	-0.656							
3779	32	45168	11	10.3	0.701							
3780	33	45265	10	9.943	0.0571							
3781	34	45352	9.6	9.623	-0.0232							
3782	35	45449	11	9.267	1.733							
3783	36	45544	11	8.918	2.082							
3784	37	45630	11	8.602	2.398							
3785	38	45723	13	8.26	4.74							
3786	N-dad-13											
3787												
3788	General Statistics											
3789	Number of Events				38							
3790	Number of Values Reported (n)				38							
3791	Number of Replicates				0							
3792	Minimum				2.6							
3793	Maximum				27							
3794	Mean				12.48							
3795	Geometric Mean				11.5							
3796	Median				12							
3797	Standard Deviation				4.956							
3798	Coefficient of Variation				0.397							
3799												
3800	Mann-Kendall Statistics											
3801	M-K Test Value (S)				-88							
3802	Critical Value (0.05)				-1.645							
3803	Standard Deviation of S				79.22							
3804	Standardized Value of S				-1.098							
3805	Approximate p-value				0.136							
3806												
3807	Approximate inference for Theil-Sen Trend Test											
3808	Number of Slopes				703							
3809	Theil-Sen Slope				-9.033E-4							
3810	Theil-Sen Intercept				51.77							
3811	M1				273.9							
3812	M2				429.1							
3813	95% LCL of Slope (0.025)				-0.00241							
3814	95% UCL of Slope (0.975)				4.8628E-4							
3815												
3816	Insufficient evidence to identify a significant											

	A	B	C	D	E	F	G	H	I	J	K	L
3817	trend at the specified level of significance.											
3818												
3819	Theil-Sen Trend Test Estimates and Residuals											
3820	#	Events	Values	Estimates	Residuals							
3821	1	42332	9.98	13.53	-3.55							
3822	2	42425	11	13.45	-2.446							
3823	3	42523	10.5	13.36	-2.857							
3824	4	42621	10.9	13.27	-2.369							
3825	5	42709	9.54	13.19	-3.649							
3826	6	42802	14	13.11	0.895							
3827	7	42898	16	13.02	2.981							
3828	8	42971	16	12.95	3.047							
3829	9	43066	21.5	12.87	8.633							
3830	10	43158	27	12.78	14.22							
3831	11	43251	16	12.7	3.3							
3832	12	43339	12	12.62	-0.62							
3833	13	43432	6.6	12.54	-5.936							
3834	14	43532	10	12.45	-2.446							
3835	15	43609	12	12.38	-0.376							
3836	16	43697	11	12.3	-1.297							
3837	17	43802	16	12.2	3.798							
3838	18	43887	14	12.13	1.875							
3839	19	43980	13	12.04	0.959							
3840	20	44071	13	11.96	1.041							
3841	21	44165	17	11.87	5.126							
3842	22	44256	15	11.79	3.208							
3843	23	44348	11	11.71	-0.709							
3844	24	44433	8.1	11.63	-3.532							
3845	25	44523	8.3	11.55	-3.251							
3846	26	44623	9	11.46	-2.46							
3847	27	44705	13	11.39	1.614							
3848	28	44798	6.8	11.3	-4.502							
3849	29	44897	12	11.21	0.787							
3850	30	44987	12	11.13	0.869							
3851	31	45071	11	11.06	-0.0556							
3852	32	45168	11	10.97	0.0321							
3853	33	45265	26	10.88	15.12							
3854	34	45352	16	10.8	5.198							
3855	35	45450	13	10.71	2.287							
3856	36	45545	2.6	10.63	-8.027							
3857	37	45630	4.3	10.55	-6.251							
3858	38	45717	8	10.47	-2.472							
3859	N-dad-14											
3860												
3861	General Statistics											
3862	Number of Events				38							
3863	Number of Values Reported (n)				38							
3864	Number of Replicates				0							
3865	Minimum				15							
3866	Maximum				88							
3867	Mean				36.51							
3868	Geometric Mean				30.91							
3869	Median				24.75							

	A	B	C	D	E	F	G	H	I	J	K	L
3870	Standard Deviation				22.96							
3871	Coefficient of Variation				0.629							
3872												
3873	Mann-Kendall Statistics											
3874	M-K Test Value (S)				19							
3875	Critical Value (0.05)				1.645							
3876	Standard Deviation of S				79.39							
3877	Standardized Value of S				0.227							
3878	Approximate p-value				0.41							
3879												
3880	Approximate inference for Theil-Sen Trend Test											
3881	Number of Slopes				703							
3882	Theil-Sen Slope				2.1133E-4							
3883	Theil-Sen Intercept				15.45							
3884	M1				273.7							
3885	M2				429.3							
3886	95% LCL of Slope (0.025)				-0.00491							
3887	95% UCL of Slope (0.975)				0.0131							
3888												
3889	Insufficient evidence to identify a significant											
3890	trend at the specified level of significance.											
3891												
3892	Theil-Sen Trend Test Estimates and Residuals											
3893	#	Events	Values	Estimates	Residuals							
3894	1	42332	33.9	24.39	9.508							
3895	2	42429	40.2	24.41	15.79							
3896	3	42523	40.9	24.43	16.47							
3897	4	42621	44.5	24.45	20.05							
3898	5	42706	39	24.47	14.53							
3899	6	42802	39.1	24.49	14.61							
3900	7	42892	32.7	24.51	8.19							
3901	8	42975	28.5	24.53	3.972							
3902	9	43066	25.5	24.55	0.953							
3903	10	43157	24	24.57	-0.566							
3904	11	43251	21	24.59	-3.586							
3905	12	43341	22	24.61	-2.605							
3906	13	43432	21	24.62	-3.625							
3907	14	43532	22	24.65	-2.646							
3908	15	43609	22	24.66	-2.662							
3909	16	43697	21	24.68	-3.681							
3910	17	43802	20	24.7	-4.703							
3911	18	43887	20	24.72	-4.721							
3912	19	43980	19	24.74	-5.74							
3913	20	44071	18	24.76	-6.76							
3914	21	44166	17	24.78	-7.78							
3915	22	44257	17	24.8	-7.799							
3916	23	44350	15	24.82	-9.819							
3917	24	44434	16	24.84	-8.836							
3918	25	44523	17	24.86	-7.855							
3919	26	44635	17	24.88	-7.879							
3920	27	44705	18	24.89	-6.894							
3921	28	44799	22	24.91	-2.913							
3922	29	44897	36	24.93	11.07							

	A	B	C	D	E	F	G	H	I	J	K	L
3923	30	44987	45	24.95	20.05							
3924	31	45072	60	24.97	35.03							
3925	32	45169	70	24.99	45.01							
3926	33	45265	84	25.01	58.99							
3927	34	45352	76	25.03	50.97							
3928	35	45450	74	25.05	48.95							
3929	36	45544	88	25.07	62.93							
3930	37	45630	76	25.09	50.91							
3931	38	45726	85	25.11	59.89							
3932	N-dad-15											
3933												
3934	General Statistics											
3935	Number of Events				38							
3936	Number of Values Reported (n)				38							
3937	Number of Replicates				0							
3938	Minimum				4.21							
3939	Maximum				25							
3940	Mean				13.09							
3941	Geometric Mean				11.29							
3942	Median				12.5							
3943	Standard Deviation				6.593							
3944	Coefficient of Variation				0.504							
3945												
3946	Mann-Kendall Statistics											
3947	M-K Test Value (S)				564							
3948	Critical Value (0.05)				1.645							
3949	Standard Deviation of S				79.42							
3950	Standardized Value of S				7.089							
3951	Approximate p-value				6.772E-13							
3952												
3953	Approximate inference for Theil-Sen Trend Test											
3954	Number of Slopes				703							
3955	Theil-Sen Slope				0.00592							
3956	Theil-Sen Intercept				-248.4							
3957	M1'				286.2							
3958	One-sided 95% lower limit of Slope				0.00516							
3959	95% LCL of Slope (0.025)				0.00506							
3960	95% UCL of Slope (0.975)				0.00675							
3961												
3962	Statistically significant evidence of an increasing trend at the specified level of significance.											
3963												
3964												
3965	Theil-Sen Trend Test Estimates and Residuals											
3966	#	Events	Values	Estimates	Residuals							
3967	1	42332	5.06	2.44	2.62							
3968	2	42429	4.3	3.015	1.285							
3969	3	42529	4.41	3.607	0.803							
3970	4	42620	4.21	4.146	0.0635							
3971	5	42709	5.12	4.674	0.446							
3972	6	42807	5.74	5.254	0.486							
3973	7	42895	6.07	5.776	0.294							
3974	8	42975	4.6	6.25	-1.65							
3975	9	43059	6.98	6.747	0.233							

	A	B	C	D	E	F	G	H	I	J	K	L
3976	10	43158	7.4	7.334	0.0662							
3977	11	43252	7.1	7.891	-0.791							
3978	12	43339	8.9	8.406	0.494							
3979	13	43434	6.2	8.969	-2.769							
3980	14	43532	7.5	9.55	-2.05							
3981	15	43609	9.9	10.01	-0.106							
3982	16	43698	13	10.53	2.467							
3983	17	43804	9.8	11.16	-1.361							
3984	18	43887	11	11.65	-0.653							
3985	19	43983	11	12.22	-1.222							
3986	20	44077	14	12.78	1.222							
3987	21	44169	17	13.32	3.676							
3988	22	44259	18	13.86	4.143							
3989	23	44351	12	14.4	-2.402							
3990	24	44439	17	14.92	2.077							
3991	25	44532	20	15.47	4.526							
3992	26	44643	22	16.13	5.868							
3993	27	44707	20	16.51	3.489							
3994	28	44804	22	17.09	4.914							
3995	29	44900	17	17.65	-0.654							
3996	30	44991	17	18.19	-1.193							
3997	31	45076	15	18.7	-3.697							
3998	32	45174	21	19.28	1.722							
3999	33	45268	18	19.83	-1.835							
4000	34	45356	21	20.36	0.644							
4001	35	45454	21	20.94	0.0635							
4002	36	45546	18	21.48	-3.482							
4003	37	45631	24	21.99	2.015							
4004	38	45728	25	22.56	2.44							
4005	N-dad-16											
4006												
4007	General Statistics											
4008	Number of Events				11							
4009	Number Values Observations				37							
4010	Number Values Missing				26							
4011	Number of Values Reported (n)				11							
4012	Number of Replicates				0							
4013	Minimum				0.246							
4014	Maximum				1.76							
4015	Mean				0.964							
4016	Geometric Mean				0.826							
4017	Median				1.02							
4018	Standard Deviation				0.486							
4019	Coefficient of Variation				0.504							
4020												
4021	Mann-Kendall Statistics											
4022	M-K Test Value (S)				-11							
4023	Tabulated p-value				0.223							
4024	Standard Deviation of S				12.85							
4025	Standardized Value of S				-0.778							
4026	Approximate p-value				0.218							
4027												
4028	Approximate inference for Theil-Sen Trend Test											

	A	B	C	D	E	F	G	H	I	J	K	L
4029	Number of Slopes				55							
4030	Theil-Sen Slope				-1.738E-4							
4031	Theil-Sen Intercept				8.458							
4032	M1				14.91							
4033	M2				40.09							
4034	95% LCL of Slope (0.025)				-0.00197							
4035	95% UCL of Slope (0.975)				3.5988E-4							
4036												
4037	Insufficient evidence to identify a significant											
4038	trend at the specified level of significance.											
4039												
4040	Theil-Sen Trend Test Estimates and Residuals											
4041	#	Events	Values	Estimates	Residuals							
4042	1	42338	1.25	1.101	0.149							
4043	2	42429	0.327	1.085	-0.758							
4044	3	42527	1.02	1.068	-0.0478							
4045	4	42620	1.56	1.052	0.508							
4046	5	42706	1.76	1.037	0.723							
4047	6	42802	0.993	1.02	-0.027							
4048	7	42892	0.656	1.004	-0.348							
4049	8	42975	1.18	0.99	0.19							
4050	9	43067	0.246	0.974	-0.728							
4051	10	43158	0.51	0.958	-0.448							
4052	11	45267	1.1	0.592	0.508							
4053	N-dad-17											
4054												
4055	General Statistics											
4056	Number of Events				21							
4057	Number Values Observations				37							
4058	Number Values Missing				16							
4059	Number of Values Reported (n)				21							
4060	Number of Replicates				0							
4061	Minimum				0.509							
4062	Maximum				10.3							
4063	Mean				2.291							
4064	Geometric Mean				1.748							
4065	Median				1.7							
4066	Standard Deviation				2.145							
4067	Coefficient of Variation				0.936							
4068												
4069	Mann-Kendall Statistics											
4070	M-K Test Value (S)				48							
4071	Tabulated p-value				0.079							
4072	Standard Deviation of S				33.09							
4073	Standardized Value of S				1.421							
4074	Approximate p-value				0.0777							
4075												
4076	Approximate inference for Theil-Sen Trend Test											
4077	Number of Slopes				210							
4078	Theil-Sen Slope				5.5230E-4							
4079	Theil-Sen Intercept				-22.34							
4080	M1				72.58							
4081	M2				137.4							

	A	B	C	D	E	F	G	H	I	J	K	L
4082	95% LCL of Slope (0.025)				-2.826E-4							
4083	95% UCL of Slope (0.975)				0.00111							
4084												
4085	Insufficient evidence to identify a significant trend at the specified level of significance.											
4086												
4087												
4088	Theil-Sen Trend Test Estimates and Residuals											
4089	#	Events	Values	Estimates	Residuals							
4090	1	42527	0.626	1.145	-0.519							
4091	2	42621	1.89	1.197	0.693							
4092	3	42709	1.46	1.245	0.215							
4093	4	42807	0.509	1.3	-0.791							
4094	5	42893	0.939	1.347	-0.408							
4095	6	42972	10.3	1.391	8.909							
4096	7	43067	3.17	1.443	1.727							
4097	8	43158	0.62	1.493	-0.873							
4098	9	43251	1.2	1.545	-0.345							
4099	10	43336	2	1.592	0.408							
4100	11	43532	2.4	1.7	0.7							
4101	12	43608	1.3	1.742	-0.442							
4102	13	43698	4.9	1.792	3.108							
4103	14	43804	1.5	1.85	-0.35							
4104	15	43984	1.7	1.95	-0.25							
4105	16	44076	1.8	2	-0.2							
4106	17	44259	1.3	2.102	-0.802							
4107	18	44354	4	2.154	1.846							
4108	19	44441	2.6	2.202	0.398							
4109	20	44536	1.2	2.255	-1.055							
4110	21	44637	2.7	2.31	0.39							
4111	N-dad-18											
4112												
4113	General Statistics											
4114	Number of Events				38							
4115	Number of Values Reported (n)				38							
4116	Number of Replicates				0							
4117	Minimum				6.3							
4118	Maximum				15							
4119	Mean				9.384							
4120	Geometric Mean				9.132							
4121	Median				8.625							
4122	Standard Deviation				2.312							
4123	Coefficient of Variation				0.246							
4124												
4125	Mann-Kendall Statistics											
4126	M-K Test Value (S)				-64							
4127	Critical Value (0.05)				-1.645							
4128	Standard Deviation of S				79.46							
4129	Standardized Value of S				-0.793							
4130	Approximate p-value				0.214							
4131												
4132	Approximate inference for Theil-Sen Trend Test											
4133	Number of Slopes				703							
4134	Theil-Sen Slope				-2.721E-4							

	A	B	C	D	E	F	G	H	I	J	K	L
4135	Theil-Sen Intercept				20.61							
4136	M1				273.6							
4137	M2				429.4							
4138	95% LCL of Slope (0.025)				-0.00102							
4139	95% UCL of Slope (0.975)				5.3122E-4							
4140												
4141	Insufficient evidence to identify a significant											
4142	trend at the specified level of significance.											
4143												
4144	Theil-Sen Trend Test Estimates and Residuals											
4145	#	Events	Values	Estimates	Residuals							
4146	1	42338	8.19	9.085	-0.895							
4147	2	42430	8.55	9.06	-0.51							
4148	3	42527	8.04	9.034	-0.994							
4149	4	42622	6.85	9.008	-2.158							
4150	5	42709	7.88	8.984	-1.104							
4151	6	42802	9.07	8.959	0.111							
4152	7	42898	10.4	8.933	1.467							
4153	8	42976	13.6	8.912	4.688							
4154	9	43068	10.6	8.887	1.713							
4155	10	43159	15	8.862	6.138							
4156	11	43255	12	8.836	3.164							
4157	12	43340	12	8.813	3.187							
4158	13	43433	10	8.787	1.213							
4159	14	43535	9.4	8.76	0.64							
4160	15	43613	9.5	8.738	0.762							
4161	16	43697	10	8.716	1.284							
4162	17	43804	8.7	8.686	0.0135							
4163	18	43886	9.3	8.664	0.636							
4164	19	43984	8.1	8.638	-0.538							
4165	20	44076	8	8.612	-0.612							
4166	21	44168	8.5	8.587	-0.0874							
4167	22	44259	7.9	8.563	-0.663							
4168	23	44354	7.4	8.537	-1.137							
4169	24	44441	7.4	8.513	-1.113							
4170	25	44536	7	8.487	-1.487							
4171	26	44638	6.3	8.46	-2.16							
4172	27	44712	7.7	8.439	-0.739							
4173	28	44816	7.6	8.411	-0.811							
4174	29	44903	6.8	8.387	-1.587							
4175	30	44993	6.9	8.363	-1.463							
4176	31	45082	7.4	8.339	-0.939							
4177	32	45181	7.7	8.312	-0.612							
4178	33	45273	10	8.287	1.713							
4179	34	45359	9.8	8.263	1.537							
4180	35	45455	12	8.237	3.763							
4181	36	45551	14	8.211	5.789							
4182	37	45632	14	8.189	5.811							
4183	38	45729	13	8.163	4.837							
4184	N-dad-19											
4185												
4186	General Statistics											
4187	Number of Events				38							

	A	B	C	D	E	F	G	H	I	J	K	L
4188	Number of Values Reported (n)				38							
4189	Number of Replicates				0							
4190	Minimum				20.7							
4191	Maximum				46							
4192	Mean				32.61							
4193	Geometric Mean				32.11							
4194	Median				33							
4195	Standard Deviation				5.685							
4196	Coefficient of Variation				0.174							
4197												
4198	Mann-Kendall Statistics											
4199	M-K Test Value (S)				124							
4200	Critical Value (0.05)				1.645							
4201	Standard Deviation of S				79.37							
4202	Standardized Value of S				1.55							
4203	Approximate p-value				0.0606							
4204												
4205	Approximate inference for Theil-Sen Trend Test											
4206	Number of Slopes				703							
4207	Theil-Sen Slope				0.00182							
4208	Theil-Sen Intercept				-47.09							
4209	M1				273.7							
4210	M2				429.3							
4211	95% LCL of Slope (0.025)				-3.423E-4							
4212	95% UCL of Slope (0.975)				0.00341							
4213												
4214	Insufficient evidence to identify a significant											
4215	trend at the specified level of significance.											
4216												
4217	Theil-Sen Trend Test Estimates and Residuals											
4218	#	Events	Values	Estimates	Residuals							
4219	1	42338	41.2	29.92	11.28							
4220	2	42430	36.3	30.09	6.211							
4221	3	42529	24.5	30.27	-5.769							
4222	4	42622	25.2	30.44	-5.238							
4223	5	42710	22.5	30.6	-8.098							
4224	6	42807	30.7	30.77	-0.0744							
4225	7	42898	20.7	30.94	-10.24							
4226	8	42976	30.7	31.08	-0.382							
4227	9	43068	25.3	31.25	-5.949							
4228	10	43159	33	31.41	1.585							
4229	11	43255	39	31.59	7.411							
4230	12	43340	24	31.74	-7.744							
4231	13	43434	35	31.91	3.085							
4232	14	43535	34	32.1	1.901							
4233	15	43613	41	32.24	8.759							
4234	16	43697	46	32.39	13.61							
4235	17	43803	35	32.59	2.414							
4236	18	43886	33	32.74	0.263							
4237	19	43984	28	32.92	-4.915							
4238	20	44077	30	33.08	-3.085							
4239	21	44169	33	33.25	-0.252							
4240	22	44258	29	33.41	-4.414							

	A	B	C	D	E	F	G	H	I	J	K	L
4241	23	44351	35	33.58	1.417							
4242	24	44440	36	33.74	2.255							
4243	25	44532	36	33.91	2.088							
4244	26	44637	27	34.1	-7.103							
4245	27	44708	34	34.23	-0.232							
4246	28	44805	32	34.41	-2.409							
4247	29	44902	30	34.59	-4.585							
4248	30	44992	31	34.75	-3.749							
4249	31	45078	33	34.91	-1.905							
4250	32	45180	31	35.09	-4.091							
4251	33	45272	30	35.26	-5.258							
4252	34	45358	37	35.41	1.585							
4253	35	45454	38	35.59	2.411							
4254	36	45547	34	35.76	-1.759							
4255	37	45632	44	35.91	8.087							
4256	38	45729	34	36.09	-2.09							
4257	N-dad-21											
4258												
4259	General Statistics											
4260	Number of Events				38							
4261	Number of Values Reported (n)				38							
4262	Number of Replicates				0							
4263	Minimum				6.28							
4264	Maximum				120							
4265	Mean				63.22							
4266	Geometric Mean				52.73							
4267	Median				59.4							
4268	Standard Deviation				33.45							
4269	Coefficient of Variation				0.529							
4270												
4271	Mann-Kendall Statistics											
4272	M-K Test Value (S)				-125							
4273	Critical Value (0.05)				-1.645							
4274	Standard Deviation of S				79.45							
4275	Standardized Value of S				-1.561							
4276	Approximate p-value				0.0593							
4277												
4278	Approximate inference for Theil-Sen Trend Test											
4279	Number of Slopes				703							
4280	Theil-Sen Slope				-0.0102							
4281	Theil-Sen Intercept				507.6							
4282	M1				273.6							
4283	M2				429.4							
4284	95% LCL of Slope (0.025)				-0.0197							
4285	95% UCL of Slope (0.975)				0.00346							
4286												
4287	Insufficient evidence to identify a significant											
4288	trend at the specified level of significance.											
4289												
4290	Theil-Sen Trend Test Estimates and Residuals											
4291	#	Events	Values	Estimates	Residuals							
4292	1	42331	6.28	76.71	-70.43							
4293	2	42429	35.6	75.71	-40.11							

	A	B	C	D	E	F	G	H	I	J	K	L
4294	3	42527	55.2	74.71	-19.51							
4295	4	42620	58.9	73.76	-14.86							
4296	5	42710	59.9	72.85	-12.95							
4297	6	42804	69.2	71.89	-2.691							
4298	7	42895	71.3	70.96	0.336							
4299	8	42970	51.1	70.2	-19.1							
4300	9	43067	70.7	69.21	1.487							
4301	10	43159	76	68.28	7.723							
4302	11	43255	81	67.3	13.7							
4303	12	43339	90	66.44	23.56							
4304	13	43434	110	65.48	44.52							
4305	14	43531	80	64.49	15.51							
4306	15	43609	87	63.7	23.3							
4307	16	43698	86	62.79	23.21							
4308	17	43805	110	61.7	48.3							
4309	18	43880	110	60.94	49.06							
4310	19	43985	100	59.87	40.13							
4311	20	44077	120	58.93	61.07							
4312	21	44172	120	57.96	62.04							
4313	22	44263	110	57.04	52.96							
4314	23	44344	120	56.21	63.79							
4315	24	44442	64	55.22	8.784							
4316	25	44537	54	54.25	-0.249							
4317	26	44642	41	53.18	-12.18							
4318	27	44713	41	52.46	-11.46							
4319	28	44817	26	51.4	-25.4							
4320	29	44904	24	50.51	-26.51							
4321	30	44994	24	49.6	-25.6							
4322	31	45083	46	48.69	-2.691							
4323	32	45182	35	47.68	-12.68							
4324	33	45274	28	46.75	-18.75							
4325	34	45362	16	45.85	-29.85							
4326	35	45456	39	44.89	-5.894							
4327	36	45552	13	43.92	-30.92							
4328	37	45637	34	43.05	-9.051							
4329	38	45730	39	42.1	-3.104							
4330	N-dad-22											
4331												
4332	General Statistics											
4333	Number of Events				38							
4334	Number of Values Reported (n)				38							
4335	Number of Replicates				0							
4336	Minimum				6.52							
4337	Maximum				29							
4338	Mean				16.82							
4339	Geometric Mean				16							
4340	Median				16							
4341	Standard Deviation				5.183							
4342	Coefficient of Variation				0.308							
4343												
4344	Mann-Kendall Statistics											
4345	M-K Test Value (S)				-78							
4346	Critical Value (0.05)				-1.645							

	A	B	C	D	E	F	G	H	I	J	K	L
4347	Standard Deviation of S				79.3							
4348	Standardized Value of S				-0.971							
4349	Approximate p-value				0.166							
4350												
4351	Approximate inference for Theil-Sen Trend Test											
4352	Number of Slopes				703							
4353	Theil-Sen Slope				-9.566E-4							
4354	Theil-Sen Intercept				58.12							
4355	M1				273.8							
4356	M2				429.2							
4357	95% LCL of Slope (0.025)				-0.00274							
4358	95% UCL of Slope (0.975)				0.00122							
4359												
4360	Insufficient evidence to identify a significant											
4361	trend at the specified level of significance.											
4362												
4363	Theil-Sen Trend Test Estimates and Residuals											
4364	#	Events	Values	Estimates	Residuals							
4365	1	42331	6.52	17.63	-11.11							
4366	2	42425	18.5	17.54	0.961							
4367	3	42529	21.8	17.44	4.361							
4368	4	42619	23.6	17.35	6.247							
4369	5	42709	25.4	17.27	8.133							
4370	6	42801	27.3	17.18	10.12							
4371	7	42893	22.2	17.09	5.109							
4372	8	42970	19	17.02	1.983							
4373	9	43067	16.2	16.92	-0.725							
4374	10	43158	12	16.84	-4.838							
4375	11	43252	20	16.75	3.252							
4376	12	43336	29	16.67	12.33							
4377	13	43434	18	16.57	1.427							
4378	14	43531	26	16.48	9.519							
4379	15	43609	20	16.41	3.594							
4380	16	43698	17	16.32	0.679							
4381	17	43805	6.7	16.22	-9.519							
4382	18	43880	11	16.15	-5.147							
4383	19	43985	11	16.05	-5.046							
4384	20	44082	12	15.95	-3.954							
4385	21	44172	12	15.87	-3.868							
4386	22	44263	13	15.78	-2.78							
4387	23	44344	11	15.7	-4.703							
4388	24	44442	14	15.61	-1.609							
4389	25	44538	14	15.52	-1.517							
4390	26	44643	16	15.42	0.583							
4391	27	44714	16	15.35	0.651							
4392	28	44818	15	15.25	-0.25							
4393	29	44904	16	15.17	0.833							
4394	30	44994	15	15.08	-0.0812							
4395	31	45083	15	15	0.00396							
4396	32	45182	14	14.9	-0.901							
4397	33	45274	15	14.81	0.187							
4398	34	45362	16	14.73	1.271							
4399	35	45456	19	14.64	4.361							

	A	B	C	D	E	F	G	H	I	J	K	L
4400	36	45555	19	14.54	4.455							
4401	37	45637	19	14.47	4.534							
4402	38	45733	17	14.37	2.626							
4403	N-dad-23											
4404												
4405	General Statistics											
4406	Number of Events				37							
4407	Number Values Observations				38							
4408	Number Values Missing				1							
4409	Number of Values Reported (n)				37							
4410	Number of Replicates				0							
4411	Minimum				1.1							
4412	Maximum				22							
4413	Mean				16.22							
4414	Geometric Mean				14.48							
4415	Median				18							
4416	Standard Deviation				4.939							
4417	Coefficient of Variation				0.304							
4418												
4419	Mann-Kendall Statistics											
4420	M-K Test Value (S)				144							
4421	Critical Value (0.05)				1.645							
4422	Standard Deviation of S				75.72							
4423	Standardized Value of S				1.888							
4424	Approximate p-value				0.0295							
4425												
4426	Approximate inference for Theil-Sen Trend Test											
4427	Number of Slopes				666							
4428	Theil-Sen Slope				0.00109							
4429	Theil-Sen Intercept				-29.87							
4430	M1				258.8							
4431	M2				407.2							
4432	95% LCL of Slope (0.025)				0							
4433	95% UCL of Slope (0.975)				0.00292							
4434												
4435	Insufficient evidence to identify a significant											
4436	trend at the specified level of significance.											
4437												
4438	Theil-Sen Trend Test Estimates and Residuals											
4439	#	Events	Values	Estimates	Residuals							
4440	1	42359	6.11	16.14	-10.03							
4441	2	42523	1.1	16.32	-15.22							
4442	3	42620	1.86	16.42	-14.56							
4443	4	42709	5.57	16.52	-10.95							
4444	5	42801	12	16.62	-4.621							
4445	6	42893	14.9	16.72	-1.821							
4446	7	42971	19.5	16.81	2.695							
4447	8	43068	18.2	16.91	1.289							
4448	9	43157	16	17.01	-1.007							
4449	10	43251	19	17.11	1.891							
4450	11	43339	21	17.2	3.795							
4451	12	43432	18	17.31	0.694							
4452	13	43532	17	17.41	-0.415							

	A	B	C	D	E	F	G	H	I	J	K	L
4453	14	43609	19	17.5	1.502							
4454	15	43696	17	17.59	-0.593							
4455	16	43805	18	17.71	0.289							
4456	17	43887	22	17.8	4.2							
4457	18	43983	21	17.9	3.096							
4458	19	44071	19	18	1							
4459	20	44166	20	18.1	1.897							
4460	21	44257	15	18.2	-3.202							
4461	22	44350	15	18.3	-3.303							
4462	23	44434	15	18.39	-3.394							
4463	24	44531	16	18.5	-2.5							
4464	25	44635	15	18.61	-3.613							
4465	26	44706	19	18.69	0.31							
4466	27	44799	19	18.79	0.209							
4467	28	44900	18	18.9	-0.9							
4468	29	44988	20	19	1.004							
4469	30	45072	18	19.09	-1.087							
4470	31	45169	18	19.19	-1.193							
4471	32	45266	17	19.3	-2.298							
4472	33	45355	15	19.39	-4.395							
4473	34	45453	18	19.5	-1.501							
4474	35	45545	19	19.6	-0.601							
4475	36	45631	19	19.69	-0.694							
4476	37	45727	18	19.8	-1.799							
4477	N-dad-24											
4478												
4479	General Statistics											
4480	Number of Events				36							
4481	Number of Values Reported (n)				36							
4482	Number of Replicates				0							
4483	Minimum				1.84							
4484	Maximum				6.94							
4485	Mean				5.604							
4486	Geometric Mean				5.422							
4487	Median				5.95							
4488	Standard Deviation				1.154							
4489	Coefficient of Variation				0.206							
4490												
4491	Mann-Kendall Statistics											
4492	M-K Test Value (S)				36							
4493	Critical Value (0.05)				1.645							
4494	Standard Deviation of S				73.11							
4495	Standardized Value of S				0.479							
4496	Approximate p-value				0.316							
4497												
4498	Approximate inference for Theil-Sen Trend Test											
4499	Number of Slopes				630							
4500	Theil-Sen Slope				2.7374E-5							
4501	Theil-Sen Intercept				4.745							
4502	M1				243.4							
4503	M2				386.6							
4504	95% LCL of Slope (0.025)				-1.452E-4							
4505	95% UCL of Slope (0.975)				4.0497E-4							

	A	B	C	D	E	F	G	H	I	J	K	L
4506												
4507	Insufficient evidence to identify a significant											
4508	trend at the specified level of significance.											
4509												
4510	Theil-Sen Trend Test Estimates and Residuals											
4511	#	Events	Values	Estimates	Residuals							
4512	1	42430	2.22	5.906	-3.686							
4513	2	42529	2.55	5.909	-3.359							
4514	3	42622	1.84	5.911	-4.071							
4515	4	42710	6.19	5.914	0.276							
4516	5	42807	6.84	5.917	0.923							
4517	6	42898	6.94	5.919	1.021							
4518	7	42976	4.1	5.921	-1.821							
4519	8	43068	6.25	5.924	0.326							
4520	9	43159	5.8	5.926	-0.126							
4521	10	43255	6.5	5.929	0.571							
4522	11	43343	6.1	5.931	0.169							
4523	12	43434	6.5	5.934	0.566							
4524	13	43535	6	5.936	0.0636							
4525	14	43613	6.1	5.939	0.161							
4526	15	43697	5.8	5.941	-0.141							
4527	16	43803	6.2	5.944	0.256							
4528	17	43886	5.5	5.946	-0.446							
4529	18	43984	5.5	5.949	-0.449							
4530	19	44076	5.6	5.951	-0.351							
4531	20	44169	5.4	5.954	-0.554							
4532	21	44258	5.5	5.956	-0.456							
4533	22	44351	5.6	5.959	-0.359							
4534	23	44440	6.5	5.961	0.539							
4535	24	44532	5.4	5.964	-0.564							
4536	25	44637	5.5	5.967	-0.467							
4537	26	44708	5.9	5.969	-0.0686							
4538	27	44805	5.4	5.971	-0.571							
4539	28	44902	5.7	5.974	-0.274							
4540	29	44992	5.9	5.976	-0.0763							
4541	30	45078	6	5.979	0.0213							
4542	31	45180	6	5.981	0.0185							
4543	32	45268	6.2	5.984	0.216							
4544	33	45358	6	5.986	0.0136							
4545	34	45454	6.1	5.989	0.111							
4546	35	45547	6	5.992	0.00847							
4547	36	45728	6.1	5.996	0.104							
4548	N-dad-25											
4549												
4550	General Statistics											
4551	Number of Events				38							
4552	Number of Values Reported (n)				38							
4553	Number of Replicates				0							
4554	Minimum				0.4							
4555	Maximum				57.9							
4556	Mean				11.9							
4557	Geometric Mean				8.273							
4558	Median				7.65							

	A	B	C	D	E	F	G	H	I	J	K	L
4559	Standard Deviation				12.64							
4560	Coefficient of Variation				1.063							
4561												
4562	Mann-Kendall Statistics											
4563	M-K Test Value (S)				-116							
4564	Critical Value (0.05)				-1.645							
4565	Standard Deviation of S				79.51							
4566	Standardized Value of S				-1.446							
4567	Approximate p-value				0.074							
4568												
4569	Approximate inference for Theil-Sen Trend Test											
4570	Number of Slopes				703							
4571	Theil-Sen Slope				-0.00185							
4572	Theil-Sen Intercept				89.1							
4573	M1				273.6							
4574	M2				429.4							
4575	95% LCL of Slope (0.025)				-0.00528							
4576	95% UCL of Slope (0.975)				3.7412E-4							
4577												
4578	Insufficient evidence to identify a significant											
4579	trend at the specified level of significance.											
4580												
4581	Theil-Sen Trend Test Estimates and Residuals											
4582	#	Events	Values	Estimates	Residuals							
4583	1	42360	57.9	10.74	47.16							
4584	2	42430	52.5	10.61	41.89							
4585	3	42527	24.8	10.43	14.37							
4586	4	42621	32.6	10.26	22.34							
4587	5	42706	31.9	10.1	21.8							
4588	6	42804	22.5	9.918	12.58							
4589	7	42894	10.1	9.751	0.349							
4590	8	42972	20.1	9.607	10.49							
4591	9	43066	6.78	9.433	-2.653							
4592	10	43158	6.3	9.263	-2.963							
4593	11	43255	5.6	9.084	-3.484							
4594	12	43340	5	8.926	-3.926							
4595	13	43433	5	8.754	-3.754							
4596	14	43535	4.8	8.566	-3.766							
4597	15	43613	5.5	8.421	-2.921							
4598	16	43699	5.6	8.262	-2.662							
4599	17	43805	7	8.066	-1.066							
4600	18	43887	7.6	7.915	-0.315							
4601	19	43984	7.5	7.735	-0.235							
4602	20	44076	7.4	7.565	-0.165							
4603	21	44168	7.7	7.395	0.305							
4604	22	44259	8.2	7.226	0.974							
4605	23	44354	9	7.051	1.949							
4606	24	44442	9.5	6.888	2.612							
4607	25	44537	2.8	6.712	-3.912							
4608	26	44638	3.4	6.525	-3.125							
4609	27	44713	4.4	6.387	-1.987							
4610	28	44816	4.8	6.196	-1.396							
4611	29	44903	5.8	6.035	-0.235							

	A	B	C	D	E	F	G	H	I	J	K	L
4612	30	44994	7.7	5.867	1.833							
4613	31	45082	7.9	5.704	2.196							
4614	32	45181	7.6	5.521	2.079							
4615	33	45273	8.4	5.351	3.049							
4616	34	45359	9.3	5.192	4.108							
4617	35	45455	9.9	5.014	4.886							
4618	36	45552	9.2	4.835	4.365							
4619	37	45636	0.4	4.679	-4.279							
4620	38	45730	9.6	4.505	5.095							
4621	N-dad-26											
4622												
4623	General Statistics											
4624	Number of Events				38							
4625	Number of Values Reported (n)				38							
4626	Number of Replicates				0							
4627	Minimum				1.8							
4628	Maximum				110							
4629	Mean				35.59							
4630	Geometric Mean				25.23							
4631	Median				26							
4632	Standard Deviation				25.06							
4633	Coefficient of Variation				0.704							
4634												
4635	Mann-Kendall Statistics											
4636	M-K Test Value (S)				-450							
4637	Critical Value (0.05)				-1.645							
4638	Standard Deviation of S				79.51							
4639	Standardized Value of S				-5.647							
4640	Approximate p-value				8.1628E-9							
4641												
4642	Approximate inference for Theil-Sen Trend Test											
4643	Number of Slopes				703							
4644	Theil-Sen Slope				-0.0185							
4645	Theil-Sen Intercept				842.3							
4646	M2'				416.9							
4647	One-sided 95% upper limit of Slope				-0.0165							
4648	95% LCL of Slope (0.025)				-0.0213							
4649	95% UCL of Slope (0.975)				-0.0162							
4650												
4651	Statistically significant evidence of a decreasing											
4652	trend at the specified level of significance.											
4653												
4654	Theil-Sen Trend Test Estimates and Residuals											
4655	#	Events	Values	Estimates	Residuals							
4656	1	42360	59.6	57.02	2.577							
4657	2	42430	61.1	55.73	5.374							
4658	3	42527	67	53.93	13.07							
4659	4	42621	63.2	52.19	11.01							
4660	5	42710	69.6	50.54	19.06							
4661	6	42804	66.3	48.79	17.51							
4662	7	42895	60.5	47.11	13.39							
4663	8	42975	59.8	45.62	14.18							
4664	9	43067	65.1	43.92	21.18							

	A	B	C	D	E	F	G	H	I	J	K	L
4665	10	43159	59	42.21	16.79							
4666	11	43255	47	40.43	6.568							
4667	12	43340	110	38.86	71.14							
4668	13	43434	48	37.11	10.89							
4669	14	43531	50	35.32	14.68							
4670	15	43613	41	33.8	7.205							
4671	16	43698	43	32.22	10.78							
4672	17	43805	1.8	30.24	-28.44							
4673	18	43880	16	28.85	-12.85							
4674	19	43985	35	26.9	8.101							
4675	20	44082	38	25.1	12.9							
4676	21	44172	25	23.43	1.568							
4677	22	44263	6.8	21.75	-14.95							
4678	23	44344	10	20.24	-10.24							
4679	24	44446	3.8	18.35	-14.55							
4680	25	44538	15	16.65	-1.648							
4681	26	44643	22	14.7	7.299							
4682	27	44714	26	13.38	12.62							
4683	28	44818	26	11.46	14.54							
4684	29	44907	24	9.807	14.19							
4685	30	44995	23	8.176	14.82							
4686	31	45083	22	6.544	15.46							
4687	32	45183	16	4.691	11.31							
4688	33	45275	14	2.985	11.01							
4689	34	45362	24	1.372	22.63							
4690	35	45457	12	-0.389	12.39							
4691	36	45554	14	-2.187	16.19							
4692	37	45638	5.1	-3.744	8.844							
4693	38	45733	2.8	-5.505	8.305							
4694	N-dad-27											
4695												
4696	General Statistics											
4697	Number of Events				10							
4698	Number of Values Reported (n)				10							
4699	Number of Replicates				0							
4700	Minimum				5.9							
4701	Maximum				11							
4702	Mean				7.04							
4703	Geometric Mean				6.928							
4704	Median				6.6							
4705	Standard Deviation				1.481							
4706	Coefficient of Variation				0.21							
4707												
4708	Mann-Kendall Statistics											
4709	M-K Test Value (S)				9							
4710	Tabulated p-value				0.242							
4711	Standard Deviation of S				11.09							
4712	Standardized Value of S				0.721							
4713	Approximate p-value				0.235							
4714												
4715	Approximate inference for Theil-Sen Trend Test											
4716	Number of Slopes				45							
4717	Theil-Sen Slope				6.2208E-4							

	A	B	C	D	E	F	G	H	I	J	K	L
4718	Theil-Sen Intercept				-21.59							
4719	M1				11.63							
4720	M2				33.37							
4721	95% LCL of Slope (0.025)				-0.00149							
4722	95% UCL of Slope (0.975)				0.00307							
4723												
4724	Insufficient evidence to identify a significant											
4725	trend at the specified level of significance.											
4726												
4727	Theil-Sen Trend Test Estimates and Residuals											
4728	#	Events	Values	Estimates	Residuals							
4729	1	44907	6.1	6.344	-0.244							
4730	2	44995	5.9	6.399	-0.499							
4731	3	45083	7	6.454	0.546							
4732	4	45183	6.8	6.516	0.284							
4733	5	45274	6.4	6.573	-0.173							
4734	6	45362	7	6.627	0.373							
4735	7	45457	11	6.686	4.314							
4736	8	45554	7.6	6.747	0.853							
4737	9	45638	6.3	6.799	-0.499							
4738	10	45733	6.3	6.858	-0.558							
4739	N-mw-4											
4740												
4741	General Statistics											
4742	Number of Events				16							
4743	Number Values Observations				23							
4744	Number Values Missing				7							
4745	Number of Values Reported (n)				16							
4746	Number of Replicates				0							
4747	Minimum				0.39							
4748	Maximum				4.6							
4749	Mean				1.587							
4750	Geometric Mean				1.393							
4751	Median				1.3							
4752	Standard Deviation				0.955							
4753	Coefficient of Variation				0.602							
4754												
4755	Mann-Kendall Statistics											
4756	M-K Test Value (S)				-25							
4757	Tabulated p-value				0.153							
4758	Standard Deviation of S				21.89							
4759	Standardized Value of S				-1.097							
4760	Approximate p-value				0.136							
4761												
4762	Approximate inference for Theil-Sen Trend Test											
4763	Number of Slopes				120							
4764	Theil-Sen Slope				-2.742E-4							
4765	Theil-Sen Intercept				13.52							
4766	M1				38.55							
4767	M2				81.45							
4768	95% LCL of Slope (0.025)				-0.00108							
4769	95% UCL of Slope (0.975)				1.3225E-4							
4770												

	A	B	C	D	E	F	G	H	I	J	K	L
4771	Insufficient evidence to identify a significant											
4772	trend at the specified level of significance.											
4773												
4774	Theil-Sen Trend Test Estimates and Residuals											
4775	#	Events	Values	Estimates	Residuals							
4776	1	43270	4.6	1.656	2.944							
4777	2	43795	0.39	1.512	-1.122							
4778	3	44069	1.2	1.437	-0.237							
4779	4	44155	1.1	1.414	-0.314							
4780	5	44256	1.5	1.386	0.114							
4781	6	44336	2.2	1.364	0.836							
4782	7	44447	1.8	1.333	0.467							
4783	8	44518	2.7	1.314	1.386							
4784	9	44620	1.3	1.286	0.014							
4785	10	44701	1.5	1.264	0.236							
4786	11	44795	1.3	1.238	0.062							
4787	12	44981	1.1	1.187	-0.087							
4788	13	45162	1.2	1.137	0.0626							
4789	14	45258	1.1	1.111	-0.0111							
4790	15	45345	1.1	1.087	0.0128							
4791	16	45720	1.3	0.984	0.316							

	A	B	C	D	E	F	G	H	I	J	K	L
1				Theil-Sen Trend Test Analysis								
2	User Selected Options											
3	Date/Time of Computation			ProUCL 5.2 4/17/2025 2:38:08 PM								
4	From File			Input.xls								
5	Full Precision			OFF								
6	Average Replicates			Replicates at sampling events will not be averaged!								
7	Confidence Coefficient			0.95								
8	Level of Significance			0.05								
9												
10	CI-126-12											
11												
12	General Statistics											
13	Number of Events			39								
14	Number of Values Reported (n)			39								
15	Number of Replicates			1								
16	Minimum			24.5								
17	Maximum			590								
18	Mean			409.2								
19	Geometric Mean			386.3								
20	Median			420								
21	Standard Deviation			86.4								
22	Coefficient of Variation			0.211								
23												
24	Mann-Kendall Statistics											
25	M-K Test Value (S)			187								
26	Critical Value (0.05)			1.645								
27	Standard Deviation of S			82.21								
28	Standardized Value of S			2.263								
29	Approximate p-value			0.0118								
30												
31	Approximate inference for Theil-Sen Trend Test											
32	Number of Slopes			741								
33	Theil-Sen Slope			0.022								
34	Theil-Sen Intercept			-549.7								
35	M1'			302.9								
36	One-sided 95% lower limit of Slope			0.00196								
37	95% LCL of Slope (0.025)			0								
38	95% UCL of Slope (0.975)			0.048								
39												
40	Statistically significant evidence of an increasing											
41	trend at the specified level of significance.											
42												
43	Theil-Sen Trend Test Estimates and Residuals											
44	#	Events	Values	Estimates	Residuals							
45	1	42317	428	381.7	46.26							
46	2	42415	416	383.9	32.1							
47	3	42508	391	385.9	5.051							
48	4	42600	363	388	-24.97							
49	5	42683	430	389.8	40.2							
50	6	42786	420	392.1	27.93							
51	7	42872	455	394	61.04							
52	8	42957	520	395.8	124.2							
53	9	43047	24.5	397.8	-373.3							
54	10	43140	420	399.9	20.14							
55	11	43258	420	402.5	17.54							
56	12	43327	430	404	26.02							
57	13	43418	390	406	-15.98							
58	14	43518	370	408.2	-38.18							
59	15	43599	350	410	-59.96							
60	16	43682	370	411.8	-41.79							
61	17	43781	350	414	-63.97							
62	18	43871	310	415.9	-105.9							
63	19	43965	350	418	-68.02							
64	20	44055	420	420	0							
65	21	44055	420	420	0							
66	22	44145	400	422	-21.98							

	A	B	C	D	E	F	G	H	I	J	K	L
67	23	44236	350	424	-73.98							
68	24	44320	370	425.8	-55.83							
69	25	44419	430	428	1.988							
70	26	44509	390	430	-39.99							
71	27	44616	420	432.3	-12.35							
72	28	44686	360	433.9	-73.89							
73	29	44790	410	436.2	-26.18							
74	30	44873	430	438	-8.005							
75	31	44937	420	439.4	-19.41							
76	32	45070	400	442.3	-42.34							
77	33	45165	450	444.4	5.568							
78	34	45249	430	446.3	-16.28							
79	35	45301	480	447.4	32.57							
80	36	45421	500	450.1	49.93							
81	37	45520	510	452.2	57.75							
82	38	45622	570	454.5	115.5							
83	39	45691	590	456	134							
84	CI-126-13											
85												
86	General Statistics											
87	Number of Events				38							
88	Number of Values Reported (n)				38							
89	Number of Replicates				0							
90	Minimum				594							
91	Maximum				990							
92	Mean				791.2							
93	Geometric Mean				786.3							
94	Median				780							
95	Standard Deviation				89.91							
96	Coefficient of Variation				0.114							
97												
98	Mann-Kendall Statistics											
99	M-K Test Value (S)				-232							
100	Critical Value (0.05)				-1.645							
101	Standard Deviation of S				79.43							
102	Standardized Value of S				-2.908							
103	Approximate p-value				0.00182							
104												
105	Approximate inference for Theil-Sen Trend Test											
106	Number of Slopes				703							
107	Theil-Sen Slope				-0.0411							
108	Theil-Sen Intercept				2587							
109	M2'				416.8							
110	One-sided 95% upper limit of Slope				-0.0185							
111	95% LCL of Slope (0.025)				-0.0713							
112	95% UCL of Slope (0.975)				-0.0146							
113												
114	Statistically significant evidence of a decreasing											
115	trend at the specified level of significance.											
116												
117	Theil-Sen Trend Test Estimates and Residuals											
118	#	Events	Values	Estimates	Residuals							
119	1	42317	760	849.5	-89.49							
120	2	42415	891	845.5	45.54							
121	3	42508	799	841.6	-42.65							
122	4	42600	703	837.9	-134.9							
123	5	42683	594	834.5	-240.5							
124	6	42783	869	830.4	38.65							
125	7	42872	796	826.7	-30.7							
126	8	42957	784	823.2	-39.21							
127	9	43047	771	819.5	-48.52							
128	10	43140	820	815.7	4.302							
129	11	43238	890	811.7	78.33							
130	12	43327	890	808	81.98							
131	13	43418	950	804.3	145.7							
132	14	43518	990	800.2	189.8							

	A	B	C	D	E	F	G	H	I	J	K	L
133	15	43599	970	796.9	173.1							
134	16	43682	900	793.4	106.6							
135	17	43781	830	789.4	40.62							
136	18	43868	880	785.8	94.19							
137	19	43964	860	781.9	78.13							
138	20	44055	860	778.1	81.87							
139	21	44145	780	774.4	5.563							
140	22	44236	740	770.7	-30.7							
141	23	44320	780	767.3	12.75							
142	24	44419	830	763.2	66.81							
143	25	44509	780	759.5	20.51							
144	26	44616	760	755.1	4.9							
145	27	44686	700	752.2	-52.23							
146	28	44790	690	748	-57.96							
147	29	44873	720	744.5	-24.55							
148	30	44937	700	741.9	-41.92							
149	31	45070	710	736.5	-26.46							
150	32	45165	710	732.6	-22.56							
151	33	45249	710	729.1	-19.11							
152	34	45301	750	727	23.02							
153	35	45421	710	722	-12.05							
154	36	45520	650	718	-67.99							
155	37	45622	750	713.8	36.2							
156	38	45691	790	711	79.04							
157	CI-257-01											
158												
159	General Statistics											
160	Number of Events				38							
161	Number of Values Reported (n)				38							
162	Number of Replicates				0							
163	Minimum				681							
164	Maximum				1100							
165	Mean				882.9							
166	Geometric Mean				880.4							
167	Median				890							
168	Standard Deviation				66.85							
169	Coefficient of Variation				0.0757							
170												
171	Mann-Kendall Statistics											
172	M-K Test Value (S)				240							
173	Critical Value (0.05)				1.645							
174	Standard Deviation of S				79.12							
175	Standardized Value of S				3.021							
176	Approximate p-value				0.00126							
177												
178	Approximate inference for Theil-Sen Trend Test											
179	Number of Slopes				703							
180	Theil-Sen Slope				0.0272							
181	Theil-Sen Intercept				-309							
182	M1'				286.4							
183	One-sided 95% lower limit of Slope				0.0124							
184	95% LCL of Slope (0.025)				0.00908							
185	95% UCL of Slope (0.975)				0.0442							
186												
187	Statistically significant evidence of an increasing											
188	trend at the specified level of significance.											
189												
190	Theil-Sen Trend Test Estimates and Residuals											
191	#	Events	Values	Estimates	Residuals							
192	1	42327	821	843.8	-22.82							
193	2	42422	873	846.4	26.59							
194	3	42516	797	849	-51.97							
195	4	42607	817	851.4	-34.45							
196	5	42690	681	853.7	-172.7							
197	6	42796	847	856.6	-9.596							
198	7	42886	848	859	-11.05							

	A	B	C	D	E	F	G	H	I	J	K	L
199	8	42965	867	861.2	5.802							
200	9	43055	870	863.6	6.35							
201	10	43151	920	866.3	53.74							
202	11	43243	900	868.8	31.23							
203	12	43335	770	871.3	-101.3							
204	13	43431	890	873.9	16.11							
205	14	43525	900	876.5	23.55							
206	15	43606	890	878.7	11.34							
207	16	43683	910	880.8	29.25							
208	17	43790	800	883.7	-83.67							
209	18	43879	890	886.1	3.908							
210	19	43977	850	888.8	-38.76							
211	20	44068	960	891.2	68.76							
212	21	44155	910	893.6	16.39							
213	22	44252	870	896.3	-26.25							
214	23	44336	890	898.5	-8.538							
215	24	44447	910	901.6	8.438							
216	25	44517	940	903.5	36.53							
217	26	44620	870	906.3	-36.27							
218	27	44700	1100	908.5	191.5							
219	28	44792	920	911	9.042							
220	29	44887	930	913.5	16.45							
221	30	44981	890	916.1	-26.11							
222	31	45063	860	918.3	-58.34							
223	32	45162	890	921	-31.03							
224	33	45258	890	923.6	-33.65							
225	34	45345	880	926	-46.02							
226	35	45446	960	928.8	31.23							
227	36	45538	870	931.3	-61.28							
228	37	45618	870	933.5	-63.45							
229	38	45719	1000	936.2	63.79							
230	CI-257-02											
231												
232	General Statistics											
233	Number of Events				38							
234	Number of Values Reported (n)				38							
235	Number of Replicates				0							
236	Minimum				455							
237	Maximum				1000							
238	Mean				697							
239	Geometric Mean				690.3							
240	Median				690							
241	Standard Deviation				97.39							
242	Coefficient of Variation				0.14							
243												
244	Mann-Kendall Statistics											
245	M-K Test Value (S)				107							
246	Critical Value (0.05)				1.645							
247	Standard Deviation of S				79.35							
248	Standardized Value of S				1.336							
249	Approximate p-value				0.0908							
250												
251	Approximate inference for Theil-Sen Trend Test											
252	Number of Slopes				703							
253	Theil-Sen Slope				0.0207							
254	Theil-Sen Intercept				-221.4							
255	M1				273.7							
256	M2				429.3							
257	95% LCL of Slope (0.025)				-0.00911							
258	95% UCL of Slope (0.975)				0.0542							
259												
260	Insufficient evidence to identify a significant											
261	trend at the specified level of significance.											
262												
263	Theil-Sen Trend Test Estimates and Residuals											
264	#	Events	Values	Estimates	Residuals							

	A	B	C	D	E	F	G	H	I	J	K	L
265	1	42327	800	654.9	145.1							
266	2	42422	455	656.9	-201.9							
267	3	42516	572	658.8	-86.8							
268	4	42607	814	660.7	153.3							
269	5	42690	671	662.4	8.598							
270	6	42796	634	664.6	-30.6							
271	7	42886	696	666.5	29.54							
272	8	42965	754	668.1	85.9							
273	9	43055	679	670	9.041							
274	10	43151	610	671.9	-61.95							
275	11	43243	690	673.9	16.15							
276	12	43335	540	675.8	-135.8							
277	13	43431	650	677.7	-27.74							
278	14	43525	690	679.7	10.31							
279	15	43606	620	681.4	-61.37							
280	16	43683	650	683	-32.96							
281	17	43790	620	685.2	-65.18							
282	18	43879	710	687	22.98							
283	19	43977	710	689	20.95							
284	20	44069	790	691	99.05							
285	21	44155	770	692.7	77.27							
286	22	44256	780	694.8	85.18							
287	23	44335	770	696.5	73.54							
288	24	44447	560	698.8	-138.8							
289	25	44518	1000	700.2	299.8							
290	26	44620	600	702.4	-102.4							
291	27	44700	730	704	25.98							
292	28	44792	760	705.9	54.08							
293	29	44887	860	707.9	152.1							
294	30	44981	780	709.8	70.17							
295	31	45064	710	711.6	-1.553							
296	32	45162	660	713.6	-53.58							
297	33	45258	650	715.6	-65.57							
298	34	45345	690	717.4	-27.37							
299	35	45446	690	719.5	-29.46							
300	36	45538	660	721.4	-61.37							
301	37	45621	690	723.1	-33.08							
302	38	45719	770	725.1	44.89							
303	CI-340-01											
304												
305	General Statistics											
306	Number of Events				38							
307	Number of Values Reported (n)				38							
308	Number of Replicates				0							
309	Minimum				417							
310	Maximum				710							
311	Mean				596.5							
312	Geometric Mean				594.5							
313	Median				592.5							
314	Standard Deviation				48.76							
315	Coefficient of Variation				0.0817							
316												
317	Mann-Kendall Statistics											
318	M-K Test Value (S)				213							
319	Critical Value (0.05)				1.645							
320	Standard Deviation of S				79.13							
321	Standardized Value of S				2.679							
322	Approximate p-value				0.00369							
323												
324	Approximate inference for Theil-Sen Trend Test											
325	Number of Slopes				703							
326	Theil-Sen Slope				0.018							
327	Theil-Sen Intercept				-200.2							
328	M1'				286.4							
329	One-sided 95% lower limit of Slope				0.00669							
330	95% LCL of Slope (0.025)				0.00406							

	A	B	C	D	E	F	G	H	I	J	K	L
331	95% UCL of Slope (0.975)				0.0351							
332												
333	Statistically significant evidence of an increasing											
334	trend at the specified level of significance.											
335												
336	Theil-Sen Trend Test Estimates and Residuals											
337	#	Events	Values	Estimates	Residuals							
338	1	42317	578	562	16							
339	2	42411	621	563.7	57.31							
340	3	42508	594	565.4	28.56							
341	4	42605	618	567.2	50.81							
342	5	42684	584	568.6	15.39							
343	6	42782	591	570.4	20.63							
344	7	42873	579	572	6.987							
345	8	42958	417	573.5	-156.5							
346	9	43047	576	575.1	0.854							
347	10	43143	640	576.9	63.12							
348	11	43241	560	578.6	-18.64							
349	12	43326	560	580.2	-20.17							
350	13	43419	540	581.8	-41.85							
351	14	43521	630	583.7	46.32							
352	15	43599	610	585.1	24.91							
353	16	43683	590	586.6	3.399							
354	17	43781	560	588.4	-28.37							
355	18	43868	560	589.9	-29.93							
356	19	43965	590	591.7	-1.681							
357	20	44056	550	593.3	-43.32							
358	21	44146	560	594.9	-34.94							
359	22	44242	570	596.7	-26.67							
360	23	44322	580	598.1	-18.11							
361	24	44417	580	599.8	-19.82							
362	25	44504	610	601.4	8.612							
363	26	44606	630	603.2	26.77							
364	27	44686	610	604.7	5.334							
365	28	44861	560	607.8	-47.82							
366	29	44873	680	608	71.97							
367	30	44965	600	609.7	-9.691							
368	31	45051	610	611.2	-1.24							
369	32	45146	610	613	-2.951							
370	33	45238	630	614.6	15.39							
371	34	45331	640	616.3	23.72							
372	35	45425	640	618	22.02							
373	36	45523	610	619.7	-9.742							
374	37	45607	710	621.3	88.75							
375	38	45706	690	623	66.96							
376	CI-42-02											
377												
378	General Statistics											
379	Number of Events				38							
380	Number of Values Reported (n)				38							
381	Number of Replicates				0							
382	Minimum				410							
383	Maximum				660							
384	Mean				522.8							
385	Geometric Mean				519.6							
386	Median				520							
387	Standard Deviation				58.72							
388	Coefficient of Variation				0.112							
389												
390	Mann-Kendall Statistics											
391	M-K Test Value (S)				125							
392	Critical Value (0.05)				1.645							
393	Standard Deviation of S				79.42							
394	Standardized Value of S				1.561							
395	Approximate p-value				0.0592							
396												

	A	B	C	D	E	F	G	H	I	J	K	L
397	Approximate inference for Theil-Sen Trend Test											
398	Number of Slopes				703							
399	Theil-Sen Slope				0.0138							
400	Theil-Sen Intercept				-87.13							
401	M1				273.7							
402	M2				429.3							
403	95% LCL of Slope (0.025)				-0.00479							
404	95% UCL of Slope (0.975)				0.0371							
405												
406	Insufficient evidence to identify a significant											
407	trend at the specified level of significance.											
408												
409	Theil-Sen Trend Test Estimates and Residuals											
410	#	Events	Values	Estimates	Residuals							
411	1	42339	510	496.9	13.14							
412	2	42423	535	498	36.99							
413	3	42522	469	499.4	-30.38							
414	4	42613	539	500.6	38.37							
415	5	42702	506	501.9	4.138							
416	6	42800	501	503.2	-2.214							
417	7	42888	542	504.4	37.57							
418	8	42969	514	505.5	8.455							
419	9	43070	590	506.9	83.06							
420	10	43152	610	508.1	101.9							
421	11	43249	610	509.4	100.6							
422	12	43334	450	510.6	-60.58							
423	13	43438	580	512	67.99							
424	14	43530	460	513.3	-53.28							
425	15	43614	470	514.4	-44.44							
426	16	43693	420	515.5	-95.53							
427	17	43791	430	516.9	-86.88							
428	18	43872	490	518	-28							
429	19	43973	460	519.4	-59.39							
430	20	44061	410	520.6	-110.6							
431	21	44151	550	521.8	28.15							
432	22	44245	540	523.1	16.86							
433	23	44327	490	524.3	-34.28							
434	24	44419	520	525.5	-5.545							
435	25	44509	560	526.8	33.21							
436	26	44608	520	528.2	-8.152							
437	27	44692	530	529.3	0.69							
438	28	44784	470	530.6	-60.58							
439	29	44875	490	531.8	-41.83							
440	30	44970	550	533.1	16.86							
441	31	45056	610	534.3	75.67							
442	32	45152	490	535.7	-45.66							
443	33	45246	500	537	-36.95							
444	34	45336	540	538.2	1.807							
445	35	45429	570	539.5	30.52							
446	36	45526	660	540.8	119.2							
447	37	45610	550	542	8.028							
448	38	45712	630	543.4	86.62							
449	CI-42-03											
450												
451	General Statistics											
452	Number of Events				38							
453	Number of Values Reported (n)				38							
454	Number of Replicates				0							
455	Minimum				933							
456	Maximum				1350							
457	Mean				1076							
458	Geometric Mean				1072							
459	Median				1100							
460	Standard Deviation				102.1							
461	Coefficient of Variation				0.0949							
462												

	A	B	C	D	E	F	G	H	I	J	K	L
463	Mann-Kendall Statistics											
464			M-K Test Value (S)		-238							
465			Critical Value (0.05)		-1.645							
466			Standard Deviation of S		78.55							
467			Standardized Value of S		-3.017							
468			Approximate p-value		0.00127							
469												
470	Approximate inference for Theil-Sen Trend Test											
471			Number of Slopes		703							
472			Theil-Sen Slope		-0.0552							
473			Theil-Sen Intercept		3530							
474			M2'		416.1							
475			One-sided 95% upper limit of Slope		-0.0122							
476			95% LCL of Slope (0.025)		-0.0843							
477			95% UCL of Slope (0.975)		-0.00481							
478												
479	Statistically significant evidence of a decreasing											
480	trend at the specified level of significance.											
481												
482	Theil-Sen Trend Test Estimates and Residuals											
483	#	Events	Values	Estimates	Residuals							
484	1	42339	933	1193	-259.6							
485	2	42423	1190	1188	2.05							
486	3	42522	956	1182	-226.5							
487	4	42613	983	1177	-194.5							
488	5	42702	1180	1173	7.453							
489	6	42800	1170	1167	2.864							
490	7	42888	1120	1162	-42.28							
491	8	42970	1010	1158	-147.8							
492	9	43070	1350	1152	197.8							
493	10	43152	1200	1148	52.3							
494	11	43249	1200	1142	57.65							
495	12	43334	1100	1138	-37.65							
496	13	43438	1200	1132	68.09							
497	14	43530	1100	1127	-26.83							
498	15	43615	1200	1122	77.86							
499	16	43693	1200	1118	82.17							
500	17	43791	1000	1112	-112.4							
501	18	43872	1200	1108	92.05							
502	19	43971	1100	1102	-2.484							
503	20	44061	1100	1098	2.484							
504	21	44151	1100	1093	7.453							
505	22	44244	1100	1087	12.59							
506	23	44327	1000	1083	-82.83							
507	24	44418	1100	1078	22.19							
508	25	44508	1100	1073	27.16							
509	26	44608	1000	1067	-67.32							
510	27	44691	970	1063	-92.73							
511	28	44783	1000	1058	-57.65							
512	29	44874	980	1053	-72.63							
513	30	44967	1000	1047	-47.49							
514	31	45055	1200	1043	157.4							
515	32	45149	1000	1037	-37.45							
516	33	45246	980	1032	-52.09							
517	34	45335	990	1027	-37.18							
518	35	45429	980	1022	-41.99							
519	36	45525	950	1017	-66.69							
520	37	45609	1000	1012	-12.05							
521	38	45709	960	1007	-46.53							
522	CI-42-06											
523												
524	General Statistics											
525			Number of Events		38							
526			Number of Values Reported (n)		38							
527			Number of Replicates		0							
528			Minimum		275							

	A	B	C	D	E	F	G	H	I	J	K	L
529	Maximum				720							
530	Mean				431.4							
531	Geometric Mean				414.1							
532	Median				380							
533	Standard Deviation				127.3							
534	Coefficient of Variation				0.295							
535												
536	Mann-Kendall Statistics											
537	M-K Test Value (S)				-4							
538	Critical Value (0.05)				-1.645							
539	Standard Deviation of S				79.48							
540	Standardized Value of S				-0.0377							
541	Approximate p-value				0.485							
542												
543	Approximate inference for Theil-Sen Trend Test											
544	Number of Slopes				703							
545	Theil-Sen Slope				0							
546	Theil-Sen Intercept				380							
547	M1				273.6							
548	M2				429.4							
549	95% LCL of Slope (0.025)				-0.0615							
550	95% UCL of Slope (0.975)				0.0338							
551												
552	Insufficient evidence to identify a significant											
553	trend at the specified level of significance.											
554												
555	Theil-Sen Trend Test Estimates and Residuals											
556	#	Events	Values	Estimates	Residuals							
557	1	42339	358	380	-22							
558	2	42423	308	380	-72							
559	3	42522	300	380	-80							
560	4	42613	275	380	-105							
561	5	42702	291	380	-89							
562	6	42800	280	380	-100							
563	7	42888	424	380	44							
564	8	42969	295	380	-85							
565	9	43070	522	380	142							
566	10	43152	590	380	210							
567	11	43249	610	380	230							
568	12	43334	420	380	40							
569	13	43438	560	380	180							
570	14	43530	470	380	90							
571	15	43615	350	380	-30							
572	16	43693	440	380	60							
573	17	43791	360	380	-20							
574	18	43873	470	380	90							
575	19	43973	620	380	240							
576	20	44061	480	380	100							
577	21	44151	560	380	180							
578	22	44245	720	380	340							
579	23	44327	630	380	250							
580	24	44419	590	380	210							
581	25	44508	650	380	270							
582	26	44609	570	380	190							
583	27	44691	520	380	140							
584	28	44783	360	380	-20							
585	29	44874	360	380	-20							
586	30	44967	390	380	10							
587	31	45055	370	380	-10							
588	32	45149	330	380	-50							
589	33	45246	330	380	-50							
590	34	45335	340	380	-40							
591	35	45429	340	380	-40							
592	36	45525	310	380	-70							
593	37	45609	290	380	-90							
594	38	45709	310	380	-70							

	A	B	C	D	E	F	G	H	I	J	K	L
595	CI-42-08											
596												
597	General Statistics											
598	Number of Events				35							
599	Number of Values Reported (n)				35							
600	Number of Replicates				0							
601	Minimum				41.4							
602	Maximum				530							
603	Mean				237.2							
604	Geometric Mean				193.7							
605	Median				240							
606	Standard Deviation				131.3							
607	Coefficient of Variation				0.554							
608												
609	Mann-Kendall Statistics											
610	M-K Test Value (S)				385							
611	Critical Value (0.05)				1.645							
612	Standard Deviation of S				70.35							
613	Standardized Value of S				5.458							
614	Approximate p-value				2.4060E-8							
615												
616	Approximate inference for Theil-Sen Trend Test											
617	Number of Slopes				595							
618	Theil-Sen Slope				0.109							
619	Theil-Sen Intercept				-4559							
620	M1'				239.6							
621	One-sided 95% lower limit of Slope				0.0854							
622	95% LCL of Slope (0.025)				0.0805							
623	95% UCL of Slope (0.975)				0.135							
624												
625	Statistically significant evidence of an increasing											
626	trend at the specified level of significance.											
627												
628	Theil-Sen Trend Test Estimates and Residuals											
629	#	Events	Values	Estimates	Residuals							
630	1	42613	53.4	72.81	-19.41							
631	2	42702	42.8	82.49	-39.69							
632	3	42800	41.4	93.14	-51.74							
633	4	42888	42.9	102.7	-59.8							
634	5	42969	203	111.5	91.49							
635	6	43071	135	122.6	12.4							
636	7	43152	130	131.4	-1.403							
637	8	43249	93	141.9	-48.95							
638	9	43334	200	151.2	48.81							
639	10	43438	54	162.5	-108.5							
640	11	43530	96	172.5	-76.49							
641	12	43614	130	181.6	-51.63							
642	13	43693	290	190.2	99.79							
643	14	43791	290	200.9	89.13							
644	15	43873	240	209.8	30.22							
645	16	43973	240	220.7	19.35							
646	17	44061	370	230.2	139.8							
647	18	44151	170	240	-70							
648	19	44245	250	250.2	-0.218							
649	20	44327	180	259.1	-79.13							
650	21	44419	220	269.1	-49.13							
651	22	44509	230	278.9	-48.92							
652	23	44609	270	289.8	-19.79							
653	24	44692	260	298.8	-38.81							
654	25	44783	310	308.7	1.298							
655	26	44874	370	318.6	51.41							
656	27	44970	280	329	-49.03							
657	28	45056	530	338.4	191.6							
658	29	45152	270	348.8	-78.81							
659	30	45246	500	359	141							
660	31	45335	330	368.7	-38.71							

	A	B	C	D	E	F	G	H	I	J	K	L
661	32	45429	340	378.9	-38.93							
662	33	45526	530	389.5	140.5							
663	34	45609	290	398.5	-108.5							
664	35	45709	320	409.4	-89.36							
665	CI-42-10											
666												
667	General Statistics											
668	Number of Events				37							
669	Number of Values Reported (n)				37							
670	Number of Replicates				0							
671	Minimum				290							
672	Maximum				1800							
673	Mean				441.5							
674	Geometric Mean				417.4							
675	Median				400							
676	Standard Deviation				235							
677	Coefficient of Variation				0.532							
678												
679	Mann-Kendall Statistics											
680	M-K Test Value (S)				14							
681	Critical Value (0.05)				1.645							
682	Standard Deviation of S				76.05							
683	Standardized Value of S				0.171							
684	Approximate p-value				0.432							
685												
686	Approximate inference for Theil-Sen Trend Test											
687	Number of Slopes				666							
688	Theil-Sen Slope				0							
689	Theil-Sen Intercept				400							
690	M1				258.5							
691	M2				407.5							
692	95% LCL of Slope (0.025)				-0.0129							
693	95% UCL of Slope (0.975)				0.0158							
694												
695	Insufficient evidence to identify a significant											
696	trend at the specified level of significance.											
697												
698	Theil-Sen Trend Test Estimates and Residuals											
699	#	Events	Values	Estimates	Residuals							
700	1	42339	439	400	39							
701	2	42423	459	400	59							
702	3	42522	425	400	25							
703	4	42614	414	400	14							
704	5	42703	425	400	25							
705	6	42800	403	400	3							
706	7	42888	405	400	5							
707	8	42970	396	400	-4							
708	9	43073	380	400	-20							
709	10	43150	400	400	0							
710	11	43250	380	400	-20							
711	12	43334	370	400	-30							
712	13	43438	410	400	10							
713	14	43530	370	400	-30							
714	15	43615	390	400	-10							
715	16	43696	400	400	0							
716	17	43794	370	400	-30							
717	18	43873	370	400	-30							
718	19	43973	390	400	-10							
719	20	44062	380	400	-20							
720	21	44148	380	400	-20							
721	22	44244	400	400	0							
722	23	44328	370	400	-30							
723	24	44420	400	400	0							
724	25	44509	410	400	10							
725	26	44607	410	400	10							
726	27	44692	420	400	20							

	A	B	C	D	E	F	G	H	I	J	K	L
727	28	44784	400	400	0							
728	29	44875	410	400	10							
729	30	44971	420	400	20							
730	31	45057	410	400	10							
731	32	45154	430	400	30							
732	33	45336	540	400	140							
733	34	45427	290	400	-110							
734	35	45526	1800	400	1400							
735	36	45610	580	400	180							
736	37	45708	290	400	-110							
737	CI-42-11											
738												
739	General Statistics											
740	Number of Events				37							
741	Number of Values Reported (n)				37							
742	Number of Replicates				0							
743	Minimum				260							
744	Maximum				1600							
745	Mean				366.8							
746	Geometric Mean				341.5							
747	Median				310							
748	Standard Deviation				218.5							
749	Coefficient of Variation				0.596							
750												
751	Mann-Kendall Statistics											
752	M-K Test Value (S)				282							
753	Critical Value (0.05)				1.645							
754	Standard Deviation of S				76.28							
755	Standardized Value of S				3.684							
756	Approximate p-value				1.1499E-4							
757												
758	Approximate inference for Theil-Sen Trend Test											
759	Number of Slopes				666							
760	Theil-Sen Slope				0.0338							
761	Theil-Sen Intercept				-1178							
762	M1'				270.3							
763	One-sided 95% lower limit of Slope				0.0194							
764	95% LCL of Slope (0.025)				0.0183							
765	95% UCL of Slope (0.975)				0.0543							
766												
767	Statistically significant evidence of an increasing trend at the specified level of significance.											
768												
769												
770	Theil-Sen Trend Test Estimates and Residuals											
771	#	Events	Values	Estimates	Residuals							
772	1	42339	303	254.7	48.28							
773	2	42423	319	257.6	61.44							
774	3	42522	302	260.9	41.09							
775	4	42614	305	264	40.98							
776	5	42703	301	267	33.97							
777	6	42797	298	270.2	27.79							
778	7	42888	293	273.3	19.71							
779	8	42970	291	276.1	14.93							
780	9	43073	268	279.6	-11.55							
781	10	43150	310	282.2	27.84							
782	11	43250	330	285.5	44.46							
783	12	43334	270	288.4	-18.38							
784	13	43438	290	291.9	-1.9							
785	14	43530	260	295	-35.01							
786	15	43615	280	297.9	-17.89							
787	16	43696	280	300.6	-20.63							
788	17	43794	310	303.9	6.056							
789	18	43873	290	306.6	-16.62							
790	19	43973	310	310	0							
791	20	44062	300	313	-13.01							
792	21	44148	330	315.9	14.08							

	A	B	C	D	E	F	G	H	I	J	K	L
793	22	44244	360	319.2	40.83							
794	23	44328	350	322	27.99							
795	24	44420	360	325.1	34.88							
796	25	44509	390	328.1	61.87							
797	26	44609	380	331.5	48.48							
798	27	44692	350	334.3	15.68							
799	28	44784	340	337.4	2.563							
800	29	44875	360	340.5	19.48							
801	30	44971	350	343.8	6.236							
802	31	45056	440	346.6	93.36							
803	32	45152	350	349.9	0.113							
804	33	45245	310	353	-43.03							
805	34	45336	550	356.1	193.9							
806	35	45427	280	359.2	-79.19							
807	36	45526	1600	362.5	1237							
808	37	45610	560	365.4	194.6							
809	CI-42-12											
810												
811	General Statistics											
812	Number of Events				37							
813	Number of Values Reported (n)				37							
814	Number of Replicates				0							
815	Minimum				250							
816	Maximum				1800							
817	Mean				354.3							
818	Geometric Mean				325.4							
819	Median				320							
820	Standard Deviation				250.2							
821	Coefficient of Variation				0.706							
822												
823	Mann-Kendall Statistics											
824	M-K Test Value (S)				-317							
825	Critical Value (0.05)				-1.645							
826	Standard Deviation of S				76.02							
827	Standardized Value of S				-4.157							
828	Approximate p-value				1.6136E-5							
829												
830	Approximate inference for Theil-Sen Trend Test											
831	Number of Slopes				666							
832	Theil-Sen Slope				-0.0271							
833	Theil-Sen Intercept				1513							
834	M2'				395.5							
835	One-sided 95% upper limit of Slope				-0.0208							
836	95% LCL of Slope (0.025)				-0.0346							
837	95% UCL of Slope (0.975)				-0.0188							
838												
839	Statistically significant evidence of a decreasing											
840	trend at the specified level of significance.											
841												
842	Theil-Sen Trend Test Estimates and Residuals											
843	#	Events	Values	Estimates	Residuals							
844	1	42339	341	364.3	-23.35							
845	2	42423	352	362.1	-10.07							
846	3	42522	341	359.4	-18.38							
847	4	42614	344	356.9	-12.89							
848	5	42703	346	354.5	-8.469							
849	6	42800	330	351.8	-21.84							
850	7	42888	328	349.4	-21.45							
851	8	42970	325	347.2	-22.22							
852	9	43073	321	344.4	-23.43							
853	10	43150	330	342.3	-12.34							
854	11	43250	370	339.6	30.38							
855	12	43334	330	337.3	-7.343							
856	13	43438	330	334.5	-4.521							
857	14	43530	300	332	-32.02							
858	15	43615	320	329.7	-9.717							

	A	B	C	D	E	F	G	H	I	J	K	L
859	16	43696	330	327.5	2.482							
860	17	43794	350	324.9	25.14							
861	18	43873	330	322.7	7.286							
862	19	43973	310	320	-10							
863	20	44062	310	317.6	-7.584							
864	21	44148	310	315.3	-5.25							
865	22	44244	290	312.6	-22.64							
866	23	44328	270	310.4	-40.36							
867	24	44420	290	307.9	-17.87							
868	25	44509	270	305.5	-35.45							
869	26	44609	270	302.7	-32.74							
870	27	44692	250	300.5	-50.49							
871	28	44784	260	298	-37.99							
872	29	44875	270	295.5	-25.52							
873	30	44971	260	292.9	-32.91							
874	31	45057	250	290.6	-40.58							
875	32	45154	270	287.9	-17.95							
876	33	45336	270	283	-13.01							
877	34	45427	280	280.5	-0.537							
878	35	45526	1800	277.8	1522							
879	36	45610	570	275.6	294.4							
880	37	45708	290	272.9	17.09							
881	CI-42-13											
882												
883	General Statistics											
884	Number of Events				29							
885	Number of Values Reported (n)				29							
886	Number of Replicates				0							
887	Minimum				820							
888	Maximum				1100							
889	Mean				971.6							
890	Geometric Mean				969.2							
891	Median				990							
892	Standard Deviation				69.34							
893	Coefficient of Variation				0.0714							
894												
895	Mann-Kendall Statistics											
896	M-K Test Value (S)				-58							
897	Critical Value (0.05)				-1.645							
898	Standard Deviation of S				51.68							
899	Standardized Value of S				-1.103							
900	Approximate p-value				0.135							
901												
902	Approximate inference for Theil-Sen Trend Test											
903	Number of Slopes				406							
904	Theil-Sen Slope				0							
905	Theil-Sen Intercept				990							
906	M1				152.3							
907	M2				253.7							
908	95% LCL of Slope (0.025)				-0.0395							
909	95% UCL of Slope (0.975)				0							
910												
911	Insufficient evidence to identify a significant											
912	trend at the specified level of significance.											
913												
914	Theil-Sen Trend Test Estimates and Residuals											
915	#	Events	Values	Estimates	Residuals							
916	1	42702	839	990	-151							
917	2	42800	838	990	-152							
918	3	43070	1090	990	100							
919	4	43152	1000	990	10							
920	5	43249	970	990	-20							
921	6	43334	1000	990	10							
922	7	43530	910	990	-80							
923	8	43791	1000	990	10							
924	9	43872	990	990	0							

	A	B	C	D	E	F	G	H	I	J	K	L
925	10	43973	950	990	-40							
926	11	44061	1000	990	10							
927	12	44151	1100	990	110							
928	13	44244	1100	990	110							
929	14	44327	1000	990	10							
930	15	44419	1000	990	10							
931	16	44508	1000	990	10							
932	17	44608	1000	990	10							
933	18	44691	940	990	-50							
934	19	44783	950	990	-40							
935	20	44874	980	990	-10							
936	21	44967	1000	990	10							
937	22	45055	900	990	-90							
938	23	45149	1000	990	10							
939	24	45246	990	990	0							
940	25	45335	1000	990	10							
941	26	45429	990	990	0							
942	27	45525	930	990	-60							
943	28	45609	890	990	-100							
944	29	45709	820	990	-170							
945	CI-624-01											
946												
947	General Statistics											
948	Number of Events				38							
949	Number of Values Reported (n)				38							
950	Number of Replicates				0							
951	Minimum				500							
952	Maximum				1100							
953	Mean				817.8							
954	Geometric Mean				795.2							
955	Median				855							
956	Standard Deviation				187.3							
957	Coefficient of Variation				0.229							
958												
959	Mann-Kendall Statistics											
960	M-K Test Value (S)				20							
961	Critical Value (0.05)				1.645							
962	Standard Deviation of S				79.49							
963	Standardized Value of S				0.239							
964	Approximate p-value				0.406							
965												
966	Approximate inference for Theil-Sen Trend Test											
967	Number of Slopes				703							
968	Theil-Sen Slope				0.00661							
969	Theil-Sen Intercept				564.2							
970	M1				273.6							
971	M2				429.4							
972	95% LCL of Slope (0.025)				-0.0645							
973	95% UCL of Slope (0.975)				0.0946							
974												
975	Insufficient evidence to identify a significant											
976	trend at the specified level of significance.											
977												
978	Theil-Sen Trend Test Estimates and Residuals											
979	#	Events	Values	Estimates	Residuals							
980	1	42318	703	843.8	-140.8							
981	2	42416	744	844.4	-100.4							
982	3	42509	808	845.1	-37.06							
983	4	42601	926	845.7	80.33							
984	5	42688	1040	846.2	193.8							
985	6	42788	997	846.9	150.1							
986	7	42878	1060	847.5	212.5							
987	8	42962	1050	848.1	201.9							
988	9	43053	979	848.7	130.3							
989	10	43145	940	849.3	90.74							
990	11	43242	1000	849.9	150.1							

	A	B	C	D	E	F	G	H	I	J	K	L
991	12	43341	990	850.6	139.4							
992	13	43424	630	851.1	-221.1							
993	14	43524	1000	851.8	148.2							
994	15	43605	910	852.3	57.7							
995	16	43690	660	852.9	-192.9							
996	17	43784	550	853.5	-303.5							
997	18	43873	510	854.1	-344.1							
998	19	43966	520	854.7	-334.7							
999	20	44060	500	855.3	-355.3							
1000	21	44148	540	855.9	-315.9							
1001	22	44245	540	856.5	-316.5							
1002	23	44330	560	857.1	-297.1							
1003	24	44435	700	857.8	-157.8							
1004	25	44510	650	858.3	-208.3							
1005	26	44610	670	858.9	-188.9							
1006	27	44693	750	859.5	-109.5							
1007	28	44785	920	860.1	59.9							
1008	29	44876	840	860.7	-20.7							
1009	30	44973	860	861.3	-1.344							
1010	31	45058	850	861.9	-11.91							
1011	32	45155	880	862.5	17.45							
1012	33	45240	920	863.1	56.89							
1013	34	45337	860	863.7	-3.749							
1014	35	45432	820	864.4	-44.38							
1015	36	45532	1000	865	135							
1016	37	45611	1100	865.6	234.4							
1017	38	45713	1100	866.2	233.8							
1018	CI-624-02											
1019												
1020	General Statistics											
1021	Number of Events				38							
1022	Number of Values Reported (n)				38							
1023	Number of Replicates				0							
1024	Minimum				480							
1025	Maximum				1050							
1026	Mean				740							
1027	Geometric Mean				726.5							
1028	Median				743.5							
1029	Standard Deviation				140.9							
1030	Coefficient of Variation				0.19							
1031												
1032	Mann-Kendall Statistics											
1033	M-K Test Value (S)				-81							
1034	Critical Value (0.05)				-1.645							
1035	Standard Deviation of S				79.5							
1036	Standardized Value of S				-1.006							
1037	Approximate p-value				0.157							
1038												
1039	Approximate inference for Theil-Sen Trend Test											
1040	Number of Slopes				703							
1041	Theil-Sen Slope				-0.0219							
1042	Theil-Sen Intercept				1708							
1043	M1				273.6							
1044	M2				429.4							
1045	95% LCL of Slope (0.025)				-0.0696							
1046	95% UCL of Slope (0.975)				0.0265							
1047												
1048	Insufficient evidence to identify a significant											
1049	trend at the specified level of significance.											
1050												
1051	Theil-Sen Trend Test Estimates and Residuals											
1052	#	Events	Values	Estimates	Residuals							
1053	1	42318	1050	780.7	269.3							
1054	2	42416	785	778.5	6.49							
1055	3	42509	914	776.5	137.5							
1056	4	42601	692	774.5	-82.45							

	A	B	C	D	E	F	G	H	I	J	K	L
1057	5	42688	747	772.5	-25.55							
1058	6	42788	793	770.4	22.65							
1059	7	42878	827	768.4	58.62							
1060	8	42962	796	766.5	29.46							
1061	9	43053	706	764.5	-58.55							
1062	10	43145	720	762.5	-42.53							
1063	11	43242	860	760.4	99.6							
1064	12	43341	710	758.2	-48.23							
1065	13	43424	850	756.4	93.59							
1066	14	43524	950	754.2	195.8							
1067	15	43605	770	752.4	17.56							
1068	16	43690	790	750.6	39.42							
1069	17	43784	530	748.5	-218.5							
1070	18	43873	480	746.6	-266.6							
1071	19	43966	550	744.5	-194.5							
1072	20	44060	610	742.5	-132.5							
1073	21	44147	480	740.6	-260.6							
1074	22	44246	650	738.4	-88.39							
1075	23	44330	740	736.6	3.449							
1076	24	44435	480	734.2	-254.2							
1077	25	44511	680	732.6	-52.58							
1078	26	44610	830	730.4	99.59							
1079	27	44693	800	728.6	71.41							
1080	28	44785	850	726.6	123.4							
1081	29	44876	600	724.6	-124.6							
1082	30	44973	640	722.5	-82.45							
1083	31	45058	690	720.6	-30.59							
1084	32	45155	750	718.5	31.54							
1085	33	45240	660	716.6	-56.6							
1086	34	45337	690	714.5	-24.47							
1087	35	45432	790	712.4	77.61							
1088	36	45532	670	710.2	-40.2							
1089	37	45611	1000	708.5	291.5							
1090	38	45713	990	706.2	283.8							
1091	CI-624-09											
1092												
1093	General Statistics											
1094	Number of Events				21							
1095	Number of Values Reported (n)				21							
1096	Number of Replicates				0							
1097	Minimum				140							
1098	Maximum				600							
1099	Mean				311.4							
1100	Geometric Mean				294							
1101	Median				310							
1102	Standard Deviation				105.9							
1103	Coefficient of Variation				0.34							
1104												
1105	Mann-Kendall Statistics											
1106	M-K Test Value (S)				-46							
1107	Tabulated p-value				0.088							
1108	Standard Deviation of S				33.06							
1109	Standardized Value of S				-1.361							
1110	Approximate p-value				0.0867							
1111												
1112	Approximate inference for Theil-Sen Trend Test											
1113	Number of Slopes				210							
1114	Theil-Sen Slope				-0.0483							
1115	Theil-Sen Intercept				2473							
1116	M1				72.61							
1117	M2				137.4							
1118	95% LCL of Slope (0.025)				-0.128							
1119	95% UCL of Slope (0.975)				0.029							
1120												
1121	Insufficient evidence to identify a significant											
1122	trend at the specified level of significance.											

	A	B	C	D	E	F	G	H	I	J	K	L
1123												
1124	Theil-Sen Trend Test Estimates and Residuals											
1125	#	Events	Values	Estimates	Residuals							
1126	1	43874	320	354.1	-34.14							
1127	2	43965	320	349.7	-29.74							
1128	3	44060	370	345.2	24.84							
1129	4	44148	260	340.9	-80.91							
1130	5	44246	600	336.2	263.8							
1131	6	44328	440	332.2	107.8							
1132	7	44420	380	327.8	52.23							
1133	8	44510	370	323.4	46.57							
1134	9	44610	310	318.6	-8.596							
1135	10	44694	270	314.5	-44.54							
1136	11	44788	140	310	-170							
1137	12	44879	140	305.6	-165.6							
1138	13	44973	180	301.1	-121.1							
1139	14	45057	250	297	-47.01							
1140	15	45154	240	292.3	-52.32							
1141	16	45245	330	287.9	42.07							
1142	17	45338	360	283.4	76.56							
1143	18	45433	430	278.9	151.1							
1144	19	45530	300	274.2	25.83							
1145	20	45614	300	270.1	29.89							
1146	21	45712	230	265.4	-35.38							
1147	CI-624-10											
1148												
1149	General Statistics											
1150	Number of Events				21							
1151	Number of Values Reported (n)				21							
1152	Number of Replicates				0							
1153	Minimum				350							
1154	Maximum				930							
1155	Mean				538.1							
1156	Geometric Mean				525.2							
1157	Median				520							
1158	Standard Deviation				127.7							
1159	Coefficient of Variation				0.237							
1160												
1161	Mann-Kendall Statistics											
1162	M-K Test Value (S)				113							
1163	Tabulated p-value				0							
1164	Standard Deviation of S				33.1							
1165	Standardized Value of S				3.384							
1166	Approximate p-value				3.5771E-4							
1167												
1168	Approximate inference for Theil-Sen Trend Test											
1169	Number of Slopes				210							
1170	Theil-Sen Slope				0.14							
1171	Theil-Sen Intercept				-5752							
1172	M1'				77.78							
1173	One-sided 95% lower limit of Slope				0.0771							
1174	95% LCL of Slope (0.025)				0.0617							
1175	95% UCL of Slope (0.975)				0.224							
1176												
1177	Statistically significant evidence of an increasing											
1178	trend at the specified level of significance.											
1179												
1180	Theil-Sen Trend Test Estimates and Residuals											
1181	#	Events	Values	Estimates	Residuals							
1182	1	43874	450	392.4	57.59							
1183	2	43965	490	405.2	84.84							
1184	3	44060	520	418.5	101.5							
1185	4	44148	500	430.8	69.21							
1186	5	44246	540	444.5	95.49							
1187	6	44328	420	456	-36							
1188	7	44420	350	468.9	-118.9							

	A	B	C	D	E	F	G	H	I	J	K	L
1189	8	44510	440	481.5	-41.49							
1190	9	44610	390	495.5	-105.5							
1191	10	44693	410	507.1	-97.12							
1192	11	44785	480	520	-40							
1193	12	44879	510	533.2	-23.16							
1194	13	44973	550	546.3	3.67							
1195	14	45057	690	558.1	131.9							
1196	15	45154	610	571.7	38.32							
1197	16	45245	570	584.4	-14.42							
1198	17	45338	620	597.4	22.55							
1199	18	45432	570	610.6	-40.61							
1200	19	45530	580	624.3	-44.34							
1201	20	45614	680	636.1	43.9							
1202	21	45712	930	649.8	280.2							
1203	CI-624-11											
1204												
1205	General Statistics											
1206	Number of Events				21							
1207	Number of Values Reported (n)				21							
1208	Number of Replicates				0							
1209	Minimum				910							
1210	Maximum				1900							
1211	Mean				1300							
1212	Geometric Mean				1269							
1213	Median				1200							
1214	Standard Deviation				301							
1215	Coefficient of Variation				0.231							
1216												
1217	Mann-Kendall Statistics											
1218	M-K Test Value (S)				125							
1219	Tabulated p-value				0							
1220	Standard Deviation of S				32.64							
1221	Standardized Value of S				3.798							
1222	Approximate p-value				7.2790E-5							
1223												
1224	Approximate inference for Theil-Sen Trend Test											
1225	Number of Slopes				210							
1226	Theil-Sen Slope				0.449							
1227	Theil-Sen Intercept				-18916							
1228	M1'				78.15							
1229	One-sided 95% lower limit of Slope				0.286							
1230	95% LCL of Slope (0.025)				0.264							
1231	95% UCL of Slope (0.975)				0.586							
1232												
1233	Statistically significant evidence of an increasing											
1234	trend at the specified level of significance.											
1235												
1236	Theil-Sen Trend Test Estimates and Residuals											
1237	#	Events	Values	Estimates	Residuals							
1238	1	43874	910	790.8	119.2							
1239	2	43966	1200	832.1	367.9							
1240	3	44060	1200	874.4	325.6							
1241	4	44147	1100	913.4	186.6							
1242	5	44246	1100	957.9	142.1							
1243	6	44330	1100	995.6	104.4							
1244	7	44435	1000	1043	-42.79							
1245	8	44511	1000	1077	-76.93							
1246	9	44610	1100	1121	-21.4							
1247	10	44693	1000	1159	-158.7							
1248	11	44785	1100	1200	-100							
1249	12	44876	1200	1241	-40.87							
1250	13	44974	1200	1285	-84.89							
1251	14	45058	1300	1323	-22.62							
1252	15	45155	1600	1366	233.8							
1253	16	45240	1700	1404	295.6							
1254	17	45337	1700	1448	252.1							

	A	B	C	D	E	F	G	H	I	J	K	L
1255	18	45432	1500	1491	9.393							
1256	19	45532	1600	1536	64.48							
1257	20	45611	1900	1571	329							
1258	21	45713	1800	1617	183.2							
1259	CI-692-02											
1260												
1261	General Statistics											
1262	Number of Events				38							
1263	Number of Values Reported (n)				38							
1264	Number of Replicates				0							
1265	Minimum				250							
1266	Maximum				990							
1267	Mean				493.9							
1268	Geometric Mean				450.8							
1269	Median				440							
1270	Standard Deviation				220.8							
1271	Coefficient of Variation				0.447							
1272												
1273	Mann-Kendall Statistics											
1274	M-K Test Value (S)				-196							
1275	Critical Value (0.05)				-1.645							
1276	Standard Deviation of S				79.45							
1277	Standardized Value of S				-2.454							
1278	Approximate p-value				0.00706							
1279												
1280	Approximate inference for Theil-Sen Trend Test											
1281	Number of Slopes				703							
1282	Theil-Sen Slope				-0.117							
1283	Theil-Sen Intercept				5576							
1284	M2'				416.8							
1285	One-sided 95% upper limit of Slope				-0.054							
1286	95% LCL of Slope (0.025)				-0.178							
1287	95% UCL of Slope (0.975)				-0.0354							
1288												
1289	Statistically significant evidence of a decreasing											
1290	trend at the specified level of significance.											
1291												
1292	Theil-Sen Trend Test Estimates and Residuals											
1293	#	Events	Values	Estimates	Residuals							
1294	1	42340	967	636.3	330.7							
1295	2	42424	990	626.5	363.5							
1296	3	42521	879	615.2	263.8							
1297	4	42619	869	603.8	265.2							
1298	5	42704	803	593.9	209.1							
1299	6	42796	583	583.2	-0.15							
1300	7	42891	421	572.1	-151.1							
1301	8	42970	660	562.8	97.15							
1302	9	43069	746	551.3	194.7							
1303	10	43154	840	541.4	298.6							
1304	11	43250	690	530.2	159.8							
1305	12	43335	610	520.3	89.73							
1306	13	43431	620	509.1	110.9							
1307	14	43531	640	497.4	142.6							
1308	15	43614	290	487.7	-197.7							
1309	16	43692	380	478.6	-98.62							
1310	17	43801	260	465.9	-205.9							
1311	18	43880	270	456.7	-186.7							
1312	19	43977	280	445.4	-165.4							
1313	20	44069	280	434.6	-154.6							
1314	21	44158	250	424.3	-174.3							
1315	22	44264	270	411.9	-141.9							
1316	23	44336	280	403.5	-123.5							
1317	24	44431	290	392.4	-102.4							
1318	25	44519	270	382.1	-112.1							
1319	26	44621	300	370.2	-70.23							
1320	27	44701	300	360.9	-60.9							

	A	B	C	D	E	F	G	H	I	J	K	L
1321	28	44795	350	349.9	0.0667							
1322	29	44893	360	338.5	21.5							
1323	30	44984	410	327.9	82.12							
1324	31	45064	440	318.5	121.5							
1325	32	45163	480	307	173							
1326	33	45259	450	295.8	154.2							
1327	34	45349	480	285.3	194.7							
1328	35	45447	450	273.9	176.1							
1329	36	45539	440	263.1	176.9							
1330	37	45622	420	253.5	166.6							
1331	38	45720	450	242	208							
1332	CI-692-05											
1333												
1334	General Statistics											
1335	Number of Events				35							
1336	Number of Values Reported (n)				35							
1337	Number of Replicates				0							
1338	Minimum				380							
1339	Maximum				470							
1340	Mean				421.4							
1341	Geometric Mean				420.8							
1342	Median				420							
1343	Standard Deviation				22.29							
1344	Coefficient of Variation				0.0529							
1345												
1346	Mann-Kendall Statistics											
1347	M-K Test Value (S)				-165							
1348	Critical Value (0.05)				-1.645							
1349	Standard Deviation of S				69.63							
1350	Standardized Value of S				-2.355							
1351	Approximate p-value				0.00925							
1352												
1353	Approximate inference for Theil-Sen Trend Test											
1354	Number of Slopes				595							
1355	Theil-Sen Slope				-0.0102							
1356	Theil-Sen Intercept				870.8							
1357	M1				229.3							
1358	M2				365.7							
1359	95% LCL of Slope (0.025)				-0.0165							
1360	95% UCL of Slope (0.975)				0							
1361												
1362	Insufficient evidence to identify a significant											
1363	trend at the specified level of significance.											
1364												
1365	Theil-Sen Trend Test Estimates and Residuals											
1366	#	Events	Values	Estimates	Residuals							
1367	1	42340	457	438.6	18.44							
1368	2	42424	463	437.7	25.3							
1369	3	42521	459	436.7	22.29							
1370	4	42615	452	435.8	16.25							
1371	5	42703	430	434.9	-4.853							
1372	6	42797	425	433.9	-8.893							
1373	7	42891	440	432.9	7.067							
1374	8	42969	450	432.1	17.86							
1375	9	43069	433	431.1	1.884							
1376	10	43335	400	428.4	-28.4							
1377	11	43538	410	426.3	-16.33							
1378	12	43614	420	425.6	-5.553							
1379	13	43693	420	424.7	-4.747							
1380	14	43801	390	423.6	-33.64							
1381	15	43880	420	422.8	-2.838							
1382	16	43978	400	421.8	-21.84							
1383	17	44070	410	420.9	-10.9							
1384	18	44158	400	420	-20							
1385	19	44264	410	418.9	-8.918							
1386	20	44337	430	418.2	11.83							

	A	B	C	D	E	F	G	H	I	J	K	L
1387	21	44431	430	417.2	12.79							
1388	22	44519	400	416.3	-16.31							
1389	23	44622	400	415.3	-15.26							
1390	24	44701	380	414.5	-34.46							
1391	25	44796	430	413.5	16.51							
1392	26	44895	390	412.5	-22.48							
1393	27	44985	430	411.6	18.44							
1394	28	45069	400	410.7	-10.7							
1395	29	45166	410	409.7	0.29							
1396	30	45261	430	408.7	21.26							
1397	31	45350	420	407.8	12.17							
1398	32	45447	420	406.8	13.16							
1399	33	45540	400	405.9	-5.893							
1400	34	45622	420	405.1	14.94							
1401	35	45721	470	404	65.96							
1402	CI-692-06											
1403												
1404	General Statistics											
1405	Number of Events				38							
1406	Number of Values Reported (n)				38							
1407	Number of Replicates				0							
1408	Minimum				370							
1409	Maximum				471							
1410	Mean				420							
1411	Geometric Mean				419.3							
1412	Median				420							
1413	Standard Deviation				24.43							
1414	Coefficient of Variation				0.0582							
1415												
1416	Mann-Kendall Statistics											
1417	M-K Test Value (S)				-74							
1418	Critical Value (0.05)				-1.645							
1419	Standard Deviation of S				78.54							
1420	Standardized Value of S				-0.929							
1421	Approximate p-value				0.176							
1422												
1423	Approximate inference for Theil-Sen Trend Test											
1424	Number of Slopes				703							
1425	Theil-Sen Slope				-0.00157							
1426	Theil-Sen Intercept				488.9							
1427	M1				274.5							
1428	M2				428.5							
1429	95% LCL of Slope (0.025)				-0.0119							
1430	95% UCL of Slope (0.975)				0.00298							
1431												
1432	Insufficient evidence to identify a significant											
1433	trend at the specified level of significance.											
1434												
1435	Theil-Sen Trend Test Estimates and Residuals											
1436	#	Events	Values	Estimates	Residuals							
1437	1	42340	450	422.6	27.36							
1438	2	42424	465	422.5	42.49							
1439	3	42521	467	422.4	44.65							
1440	4	42619	471	422.2	48.8							
1441	5	42704	414	422.1	-8.067							
1442	6	42796	404	421.9	-17.92							
1443	7	42891	428	421.8	6.226							
1444	8	42970	420	421.7	-1.651							
1445	9	43069	420	421.5	-1.496							
1446	10	43154	420	421.4	-1.363							
1447	11	43250	410	421.2	-11.21							
1448	12	43335	370	421.1	-51.08							
1449	13	43438	450	420.9	29.08							
1450	14	43531	420	420.8	-0.772							
1451	15	43614	400	420.6	-20.64							
1452	16	43692	420	420.5	-0.52							

	A	B	C	D	E	F	G	H	I	J	K	L
1453	17	43795	420	420.4	-0.359							
1454	18	43879	420	420.2	-0.227							
1455	19	43978	370	420.1	-50.07							
1456	20	44070	400	419.9	-19.93							
1457	21	44159	420	419.8	0.211							
1458	22	44266	390	419.6	-29.62							
1459	23	44337	420	419.5	0.49							
1460	24	44432	410	419.4	-9.361							
1461	25	44522	430	419.2	10.78							
1462	26	44622	400	419.1	-19.06							
1463	27	44704	420	418.9	1.065							
1464	28	44796	440	418.8	21.21							
1465	29	44895	390	418.6	-28.64							
1466	30	44985	440	418.5	21.51							
1467	31	45069	390	418.4	-28.36							
1468	32	45166	410	418.2	-8.211							
1469	33	45261	430	418.1	11.94							
1470	34	45350	400	417.9	-17.92							
1471	35	45448	430	417.8	12.23							
1472	36	45540	400	417.6	-17.63							
1473	37	45622	440	417.5	22.5							
1474	38	45721	460	417.3	42.66							
1475	CI-692-07											
1476												
1477	General Statistics											
1478	Number of Events				37							
1479	Number of Values Reported (n)				37							
1480	Number of Replicates				0							
1481	Minimum				480							
1482	Maximum				630							
1483	Mean				558.2							
1484	Geometric Mean				557.2							
1485	Median				564							
1486	Standard Deviation				33.65							
1487	Coefficient of Variation				0.0603							
1488												
1489	Mann-Kendall Statistics											
1490	M-K Test Value (S)				-193							
1491	Critical Value (0.05)				-1.645							
1492	Standard Deviation of S				76.06							
1493	Standardized Value of S				-2.524							
1494	Approximate p-value				0.0058							
1495												
1496	Approximate inference for Theil-Sen Trend Test											
1497	Number of Slopes				666							
1498	Theil-Sen Slope				-0.0137							
1499	Theil-Sen Intercept				1168							
1500	M2'				395.6							
1501	One-sided 95% upper limit of Slope				-0.00517							
1502	95% LCL of Slope (0.025)				-0.0241							
1503	95% UCL of Slope (0.975)				-0.00122							
1504												
1505	Statistically significant evidence of a decreasing											
1506	trend at the specified level of significance.											
1507												
1508	Theil-Sen Trend Test Estimates and Residuals											
1509	#	Events	Values	Estimates	Residuals							
1510	1	42340	582	587.7	-5.699							
1511	2	42424	618	586.5	31.45							
1512	3	42521	526	585.2	-59.22							
1513	4	42615	591	583.9	7.068							
1514	5	42703	570	582.7	-12.73							
1515	6	42797	564	581.4	-17.44							
1516	7	42891	570	580.2	-10.15							
1517	8	42970	576	579.1	-3.069							
1518	9	43069	576	577.7	-1.712							

	A	B	C	D	E	F	G	H	I	J	K	L
1519	10	43154	610	576.5	33.45							
1520	11	43250	590	575.2	14.77							
1521	12	43335	500	574.1	-74.07							
1522	13	43438	560	572.7	-12.66							
1523	14	43531	580	571.4	8.616							
1524	15	43614	560	570.2	-10.25							
1525	16	43693	540	569.2	-29.16							
1526	17	43795	570	567.8	2.233							
1527	18	44001	550	564.9	-14.95							
1528	19	44070	570	564	6							
1529	20	44159	590	562.8	27.22							
1530	21	44266	540	561.3	-21.32							
1531	22	44337	570	560.3	9.658							
1532	23	44432	590	559	30.96							
1533	24	44522	580	557.8	22.19							
1534	25	44622	510	556.4	-46.44							
1535	26	44704	570	555.3	14.68							
1536	27	44797	480	554	-74.04							
1537	28	44896	540	552.7	-12.68							
1538	29	44985	540	551.5	-11.47							
1539	30	45070	510	550.3	-40.3							
1540	31	45167	510	549	-38.97							
1541	32	45261	550	547.7	2.315							
1542	33	45350	510	546.5	-36.47							
1543	34	45448	550	545.1	4.877							
1544	35	45540	530	543.9	-13.86							
1545	36	45628	550	542.7	7.343							
1546	37	45722	630	541.4	88.63							
1547	CI-692-08											
1548												
1549	General Statistics											
1550	Number of Events				38							
1551	Number of Values Reported (n)				38							
1552	Number of Replicates				0							
1553	Minimum				360							
1554	Maximum				473							
1555	Mean				408.6							
1556	Geometric Mean				407.7							
1557	Median				410							
1558	Standard Deviation				26.47							
1559	Coefficient of Variation				0.0648							
1560												
1561	Mann-Kendall Statistics											
1562	M-K Test Value (S)				-223							
1563	Critical Value (0.05)				-1.645							
1564	Standard Deviation of S				79.05							
1565	Standardized Value of S				-2.808							
1566	Approximate p-value				0.00249							
1567												
1568	Approximate inference for Theil-Sen Trend Test											
1569	Number of Slopes				703							
1570	Theil-Sen Slope				-0.00995							
1571	Theil-Sen Intercept				848							
1572	M2'				416.5							
1573	One-sided 95% upper limit of Slope				-0.00428							
1574	95% LCL of Slope (0.025)				-0.0183							
1575	95% UCL of Slope (0.975)				-0.00232							
1576												
1577	Statistically significant evidence of a decreasing											
1578	trend at the specified level of significance.											
1579												
1580	Theil-Sen Trend Test Estimates and Residuals											
1581	#	Events	Values	Estimates	Residuals							
1582	1	42340	434	426.8	7.244							
1583	2	42424	448	425.9	22.08							
1584	3	42521	437	425	12.04							

	A	B	C	D	E	F	G	H	I	J	K	L
1585	4	42615	473	424	48.98							
1586	5	42704	422	423.1	-1.134							
1587	6	42797	412	422.2	-10.21							
1588	7	42891	413	421.3	-8.274							
1589	8	42969	416	420.5	-4.498							
1590	9	43069	420	419.5	0.498							
1591	10	43154	410	418.7	-8.657							
1592	11	43250	420	417.7	2.299							
1593	12	43335	370	416.9	-46.86							
1594	13	43438	420	415.8	4.169							
1595	14	43531	420	414.9	5.095							
1596	15	43614	410	414.1	-4.08							
1597	16	43693	390	413.3	-23.29							
1598	17	43794	360	412.3	-52.29							
1599	18	43879	430	411.4	18.56							
1600	19	43978	400	410.5	-10.46							
1601	20	44070	430	409.5	20.46							
1602	21	44159	390	408.7	-18.66							
1603	22	44266	400	407.6	-7.592							
1604	23	44337	410	406.9	3.114							
1605	24	44432	410	405.9	4.06							
1606	25	44522	380	405	-25.04							
1607	26	44622	390	404	-14.05							
1608	27	44704	400	403.2	-3.234							
1609	28	44797	360	402.3	-42.31							
1610	29	44896	420	401.3	18.68							
1611	30	44986	430	400.4	29.57							
1612	31	45070	360	399.6	-39.59							
1613	32	45167	370	398.6	-28.63							
1614	33	45264	400	397.7	2.338							
1615	34	45351	390	396.8	-6.796							
1616	35	45449	400	395.8	4.179							
1617	36	45541	400	394.9	5.095							
1618	37	45629	410	394	15.97							
1619	38	45722	470	393.1	76.9							
1620	CI-692-09											
1621												
1622	General Statistics											
1623	Number of Events				37							
1624	Number of Values Reported (n)				37							
1625	Number of Replicates				0							
1626	Minimum				350							
1627	Maximum				445							
1628	Mean				398.3							
1629	Geometric Mean				397.7							
1630	Median				400							
1631	Standard Deviation				22.84							
1632	Coefficient of Variation				0.0573							
1633												
1634	Mann-Kendall Statistics											
1635	M-K Test Value (S)				-182							
1636	Critical Value (0.05)				-1.645							
1637	Standard Deviation of S				75.74							
1638	Standardized Value of S				-2.39							
1639	Approximate p-value				0.00843							
1640												
1641	Approximate inference for Theil-Sen Trend Test											
1642	Number of Slopes				666							
1643	Theil-Sen Slope				-0.00868							
1644	Theil-Sen Intercept				782.6							
1645	M2'				395.3							
1646	One-sided 95% upper limit of Slope				-6.167E-4							
1647	95% LCL of Slope (0.025)				-0.0156							
1648	95% UCL of Slope (0.975)				0							
1649												
1650	Statistically significant evidence of a decreasing											

	A	B	C	D	E	F	G	H	I	J	K	L
1651	trend at the specified level of significance.											
1652												
1653	Theil-Sen Trend Test Estimates and Residuals											
1654	#	Events	Values	Estimates	Residuals							
1655	1	42340	435	415	19.99							
1656	2	42424	445	414.3	30.72							
1657	3	42521	438	413.4	24.56							
1658	4	42615	426	412.6	13.38							
1659	5	42704	420	411.9	8.148							
1660	6	42797	399	411	-12.04							
1661	7	42891	408	410.2	-2.228							
1662	8	42969	411	409.6	1.449							
1663	9	43069	405	408.7	-3.682							
1664	10	43154	410	407.9	2.056							
1665	11	43250	410	407.1	2.889							
1666	12	43335	350	406.4	-56.37							
1667	13	43438	400	405.5	-5.479							
1668	14	43531	390	404.7	-14.67							
1669	15	43614	390	404	-13.95							
1670	16	43693	380	403.3	-23.26							
1671	17	43801	350	402.3	-52.33							
1672	18	43978	380	400.8	-20.79							
1673	19	44069	400	400	0							
1674	20	44158	380	399.2	-19.23							
1675	21	44264	390	398.3	-8.307							
1676	22	44336	400	397.7	2.318							
1677	23	44431	410	396.9	13.14							
1678	24	44519	410	396.1	13.91							
1679	25	44621	360	395.2	-35.21							
1680	26	44701	370	394.5	-24.51							
1681	27	44796	410	393.7	16.31							
1682	28	44895	370	392.8	-22.83							
1683	29	44985	400	392	7.953							
1684	30	45069	380	391.3	-11.32							
1685	31	45166	400	390.5	9.525							
1686	32	45264	400	389.6	10.38							
1687	33	45350	400	388.9	11.12							
1688	34	45448	390	388	1.973							
1689	35	45539	380	387.2	-7.237							
1690	36	45622	400	386.5	13.48							
1691	37	45721	440	385.7	54.34							
1692	CI-692-10											
1693												
1694	General Statistics											
1695	Number of Events				10							
1696	Number of Values Reported (n)				10							
1697	Number of Replicates				0							
1698	Minimum				610							
1699	Maximum				780							
1700	Mean				655							
1701	Geometric Mean				653.5							
1702	Median				635							
1703	Standard Deviation				49.05							
1704	Coefficient of Variation				0.0749							
1705												
1706	Mann-Kendall Statistics											
1707	M-K Test Value (S)				23							
1708	Tabulated p-value				0.023							
1709	Standard Deviation of S				10.79							
1710	Standardized Value of S				2.04							
1711	Approximate p-value				0.0207							
1712												
1713	Approximate inference for Theil-Sen Trend Test											
1714	Number of Slopes				45							
1715	Theil-Sen Slope				0.0779							
1716	Theil-Sen Intercept				-2894							

	A	B	C	D	E	F	G	H	I	J	K	L
1717	M1				11.93							
1718	M2				33.07							
1719	95% LCL of Slope (0.025)				0							
1720	95% UCL of Slope (0.975)				0.207							
1721												
1722	Insufficient evidence to identify a significant											
1723	trend at the specified level of significance.											
1724												
1725	Theil-Sen Trend Test Estimates and Residuals											
1726	#	Events	Values	Estimates	Residuals							
1727	1	44895	610	603	7.009							
1728	2	44986	640	610.1	29.92							
1729	3	45070	630	616.6	13.38							
1730	4	45167	630	624.2	5.826							
1731	5	45261	660	631.5	28.5							
1732	6	45351	630	638.5	-8.505							
1733	7	45448	650	646.1	3.941							
1734	8	45541	630	653.3	-23.3							
1735	9	45628	690	660.1	29.92							
1736	10	45722	780	667.4	112.6							
1737	CI-70/86/340-01											
1738												
1739	General Statistics											
1740	Number of Events				38							
1741	Number of Values Reported (n)				38							
1742	Number of Replicates				0							
1743	Minimum				817							
1744	Maximum				3450							
1745	Mean				1723							
1746	Geometric Mean				1681							
1747	Median				1700							
1748	Standard Deviation				401.3							
1749	Coefficient of Variation				0.233							
1750												
1751	Mann-Kendall Statistics											
1752	M-K Test Value (S)				169							
1753	Critical Value (0.05)				1.645							
1754	Standard Deviation of S				79.01							
1755	Standardized Value of S				2.126							
1756	Approximate p-value				0.0167							
1757												
1758	Approximate inference for Theil-Sen Trend Test											
1759	Number of Slopes				703							
1760	Theil-Sen Slope				0.0767							
1761	Theil-Sen Intercept				-1678							
1762	M1				274.1							
1763	M2				428.9							
1764	95% LCL of Slope (0.025)				0							
1765	95% UCL of Slope (0.975)				0.15							
1766												
1767	Insufficient evidence to identify a significant											
1768	trend at the specified level of significance.											
1769												
1770	Theil-Sen Trend Test Estimates and Residuals											
1771	#	Events	Values	Estimates	Residuals							
1772	1	42318	1740	1570	170							
1773	2	42415	1750	1577	172.6							
1774	3	42509	1630	1585	45.38							
1775	4	42605	3450	1592	1858							
1776	5	42684	817	1598	-781							
1777	6	42782	1350	1606	-255.6							
1778	7	42873	1730	1613	117.4							
1779	8	42958	1790	1619	170.9							
1780	9	43048	1510	1626	-116							
1781	10	43143	1500	1633	-133.3							
1782	11	43241	1600	1641	-40.79							

	A	B	C	D	E	F	G	H	I	J	K	L
1783	12	43326	1700	1647	52.68							
1784	13	43420	1700	1655	45.47							
1785	14	43521	1700	1662	37.72							
1786	15	43601	1800	1668	131.6							
1787	16	43684	1700	1675	25.21							
1788	17	43784	1500	1682	-182.5							
1789	18	43868	1700	1689	11.09							
1790	19	43969	1800	1697	103.3							
1791	20	44056	1600	1703	-103.3							
1792	21	44146	1700	1710	-10.24							
1793	22	44242	1500	1718	-217.6							
1794	23	44322	1300	1724	-423.8							
1795	24	44417	1000	1731	-731							
1796	25	44504	1500	1738	-237.7							
1797	26	44606	1700	1746	-45.55							
1798	27	44686	1900	1752	148.3							
1799	28	44781	1900	1759	141							
1800	29	44872	1800	1766	34.04							
1801	30	44965	2000	1773	226.9							
1802	31	45051	1900	1780	120.3							
1803	32	45146	2400	1787	613							
1804	33	45238	1900	1794	106							
1805	34	45331	2000	1801	198.8							
1806	35	45425	1800	1808	-8.397							
1807	36	45523	1300	1816	-515.9							
1808	37	45607	1800	1822	-22.36							
1809	38	45706	2000	1830	170							
1810	CI-70-01											
1811												
1812	General Statistics											
1813	Number of Events				38							
1814	Number of Values Reported (n)				38							
1815	Number of Replicates				0							
1816	Minimum				532							
1817	Maximum				900							
1818	Mean				729.6							
1819	Geometric Mean				725.4							
1820	Median				720							
1821	Standard Deviation				78.32							
1822	Coefficient of Variation				0.107							
1823												
1824	Mann-Kendall Statistics											
1825	M-K Test Value (S)				-4							
1826	Critical Value (0.05)				-1.645							
1827	Standard Deviation of S				79.34							
1828	Standardized Value of S				-0.0378							
1829	Approximate p-value				0.485							
1830												
1831	Approximate inference for Theil-Sen Trend Test											
1832	Number of Slopes				703							
1833	Theil-Sen Slope				0							
1834	Theil-Sen Intercept				720							
1835	M1				273.7							
1836	M2				429.3							
1837	95% LCL of Slope (0.025)				-0.0366							
1838	95% UCL of Slope (0.975)				0.0247							
1839												
1840	Insufficient evidence to identify a significant											
1841	trend at the specified level of significance.											
1842												
1843	Theil-Sen Trend Test Estimates and Residuals											
1844	#	Events	Values	Estimates	Residuals							
1845	1	42320	630	720	-90							
1846	2	42416	673	720	-47							
1847	3	42514	629	720	-91							
1848	4	42601	532	720	-188							

	A	B	C	D	E	F	G	H	I	J	K	L
1849	5	42696	696	720	-24							
1850	6	42786	643	720	-77							
1851	7	42874	660	720	-60							
1852	8	42961	723	720	3							
1853	9	43048	687	720	-33							
1854	10	43144	810	720	90							
1855	11	43241	860	720	140							
1856	12	43327	900	720	180							
1857	13	43419	770	720	50							
1858	14	43522	840	720	120							
1859	15	43601	850	720	130							
1860	16	43684	850	720	130							
1861	17	43784	770	720	50							
1862	18	43871	770	720	50							
1863	19	43964	710	720	-10							
1864	20	44057	770	720	50							
1865	21	44147	720	720	0							
1866	22	44243	800	720	80							
1867	23	44326	750	720	30							
1868	24	44418	750	720	30							
1869	25	44505	850	720	130							
1870	26	44607	690	720	-30							
1871	27	44690	700	720	-20							
1872	28	44782	690	720	-30							
1873	29	44873	700	720	-20							
1874	30	44966	720	720	0							
1875	31	45054	770	720	50							
1876	32	45147	640	720	-80							
1877	33	45239	680	720	-40							
1878	34	45334	670	720	-50							
1879	35	45426	700	720	-20							
1880	36	45524	650	720	-70							
1881	37	45608	750	720	30							
1882	38	45707	720	720	0							
1883	CI-70-02											
1884												
1885	General Statistics											
1886	Number of Events				37							
1887	Number of Values Reported (n)				37							
1888	Number of Replicates				0							
1889	Minimum				580							
1890	Maximum				920							
1891	Mean				791.9							
1892	Geometric Mean				789							
1893	Median				801							
1894	Standard Deviation				66.52							
1895	Coefficient of Variation				0.084							
1896												
1897	Mann-Kendall Statistics											
1898	M-K Test Value (S)				-196							
1899	Critical Value (0.05)				-1.645							
1900	Standard Deviation of S				76.35							
1901	Standardized Value of S				-2.554							
1902	Approximate p-value				0.00533							
1903												
1904	Approximate inference for Theil-Sen Trend Test											
1905	Number of Slopes				666							
1906	Theil-Sen Slope				-0.0258							
1907	Theil-Sen Intercept				1933							
1908	M2'				395.8							
1909	One-sided 95% upper limit of Slope				-0.0107							
1910	95% LCL of Slope (0.025)				-0.0469							
1911	95% UCL of Slope (0.975)				-0.0063							
1912												
1913	Statistically significant evidence of a decreasing											
1914	trend at the specified level of significance.											

	A	B	C	D	E	F	G	H	I	J	K	L
1915												
1916	Theil-Sen Trend Test Estimates and Residuals											
1917	#	Events	Values	Estimates	Residuals							
1918	1	42320	811	843.3	-32.35							
1919	2	42416	837	840.9	-3.873							
1920	3	42513	801	838.4	-37.37							
1921	4	42600	849	836.1	12.87							
1922	5	42696	831	833.7	-2.661							
1923	6	42786	808	831.3	-23.34							
1924	7	42874	791	829.1	-38.08							
1925	8	42961	824	826.8	-2.835							
1926	9	43048	770	824.6	-54.59							
1927	10	43144	850	822.1	27.88							
1928	11	43241	790	819.6	-29.62							
1929	12	43327	800	817.4	-17.41							
1930	13	43418	880	815.1	64.94							
1931	14	43522	780	812.4	-32.38							
1932	15	43601	840	810.4	29.65							
1933	16	43683	830	808.2	21.76							
1934	17	43781	780	805.7	-25.71							
1935	18	43871	810	803.4	6.605							
1936	19	43964	810	801	9							
1937	20	44057	800	798.6	1.395							
1938	21	44147	770	796.3	-26.29							
1939	22	44243	790	793.8	-3.814							
1940	23	44326	770	791.7	-21.68							
1941	24	44418	810	789.3	20.69							
1942	25	44505	780	787.1	-7.065							
1943	26	44607	860	784.4	75.56							
1944	27	44690	760	782.3	-22.3							
1945	28	44782	740	779.9	-39.93							
1946	29	44873	830	777.6	52.41							
1947	30	44966	920	775.2	144.8							
1948	31	45054	740	772.9	-32.92							
1949	32	45147	580	770.5	-190.5							
1950	33	45334	820	765.7	54.29							
1951	34	45426	690	763.3	-73.34							
1952	35	45524	650	760.8	-110.8							
1953	36	45608	640	758.7	-118.7							
1954	37	45707	860	756.1	103.9							
1955	CI-70-03											
1956												
1957	General Statistics											
1958	Number of Events				38							
1959	Number of Values Reported (n)				38							
1960	Number of Replicates				0							
1961	Minimum				1500							
1962	Maximum				6010							
1963	Mean				2466							
1964	Geometric Mean				2327							
1965	Median				2150							
1966	Standard Deviation				919.8							
1967	Coefficient of Variation				0.373							
1968												
1969	Mann-Kendall Statistics											
1970	M-K Test Value (S)				-470							
1971	Critical Value (0.05)				-1.645							
1972	Standard Deviation of S				79.15							
1973	Standardized Value of S				-5.925							
1974	Approximate p-value				1.5599E-9							
1975												
1976	Approximate inference for Theil-Sen Trend Test											
1977	Number of Slopes				703							
1978	Theil-Sen Slope				-0.651							
1979	Theil-Sen Intercept				30790							
1980	M2'				416.6							

	A	B	C	D	E	F	G	H	I	J	K	L
1981	One-sided 95% upper limit of Slope				-0.545							
1982	95% LCL of Slope (0.025)				-0.79							
1983	95% UCL of Slope (0.975)				-0.508							
1984												
1985	Statistically significant evidence of a decreasing trend at the specified level of significance.											
1986												
1987												
1988	Theil-Sen Trend Test Estimates and Residuals											
1989	#	Events	Values	Estimates	Residuals							
1990	1	42320	2850	3250	-400.1							
1991	2	42416	3340	3188	152.4							
1992	3	42514	3220	3124	96.14							
1993	4	42600	6010	3068	2942							
1994	5	42696	3250	3005	244.6							
1995	6	42786	3200	2947	253.1							
1996	7	42874	3330	2890	440.4							
1997	8	42961	3380	2833	547							
1998	9	43048	3320	2776	543.6							
1999	10	43144	3400	2714	686.1							
2000	11	43241	3200	2651	549.2							
2001	12	43327	3100	2595	505.2							
2002	13	43419	3300	2535	765.1							
2003	14	43522	3000	2468	532.1							
2004	15	43601	3100	2416	683.5							
2005	16	43683	2800	2363	436.9							
2006	17	43784	2200	2297	-97.4							
2007	18	43868	2400	2243	157.3							
2008	19	43964	2200	2180	19.74							
2009	20	44057	2100	2120	-19.74							
2010	21	44146	1900	2062	-161.8							
2011	22	44243	1700	1999	-298.7							
2012	23	44326	1800	1945	-144.7							
2013	24	44418	1800	1885	-84.82							
2014	25	44505	1800	1828	-28.2							
2015	26	44607	1600	1762	-161.8							
2016	27	44690	1500	1708	-207.8							
2017	28	44782	1600	1648	-47.94							
2018	29	44873	1900	1589	311.3							
2019	30	44966	1800	1528	271.8							
2020	31	45054	1500	1471	29.07							
2021	32	45147	1600	1410	189.6							
2022	33	45239	1700	1351	349.5							
2023	34	45334	1800	1289	511.3							
2024	35	45426	1700	1229	471.1							
2025	36	45524	1700	1165	534.9							
2026	37	45608	1800	1110	689.6							
2027	38	45707	1800	1046	754							
2028	CI-70-04											
2029												
2030	General Statistics											
2031	Number of Events				38							
2032	Number of Values Reported (n)				38							
2033	Number of Replicates				0							
2034	Minimum				423							
2035	Maximum				780							
2036	Mean				637							
2037	Geometric Mean				633.5							
2038	Median				635							
2039	Standard Deviation				65.2							
2040	Coefficient of Variation				0.102							
2041												
2042	Mann-Kendall Statistics											
2043	M-K Test Value (S)				-97							
2044	Critical Value (0.05)				-1.645							
2045	Standard Deviation of S				79.43							
2046	Standardized Value of S				-1.209							

	A	B	C	D	E	F	G	H	I	J	K	L
2047	Approximate p-value				0.113							
2048												
2049	Approximate inference for Theil-Sen Trend Test											
2050	Number of Slopes				703							
2051	Theil-Sen Slope				-0.0129							
2052	Theil-Sen Intercept				1202							
2053	M1				273.7							
2054	M2				429.3							
2055	95% LCL of Slope (0.025)				-0.0328							
2056	95% UCL of Slope (0.975)				0.00743							
2057												
2058	Insufficient evidence to identify a significant											
2059	trend at the specified level of significance.											
2060												
2061	Theil-Sen Trend Test Estimates and Residuals											
2062	#	Events	Values	Estimates	Residuals							
2063	1	42320	604	656.8	-52.77							
2064	2	42416	626	655.5	-29.53							
2065	3	42513	423	654.3	-231.3							
2066	4	42600	739	653.2	85.84							
2067	5	42696	625	651.9	-26.93							
2068	6	42786	644	650.8	-6.769							
2069	7	42874	618	649.6	-31.64							
2070	8	42961	655	648.5	6.484							
2071	9	43048	651	647.4	3.605							
2072	10	43144	710	646.2	63.84							
2073	11	43241	720	644.9	75.09							
2074	12	43327	680	643.8	36.2							
2075	13	43418	780	642.6	137.4							
2076	14	43522	720	641.3	78.71							
2077	15	43601	680	640.3	39.73							
2078	16	43683	640	639.2	0.782							
2079	17	43781	640	638	2.044							
2080	18	43871	670	636.8	33.2							
2081	19	43964	610	635.6	-25.6							
2082	20	44057	600	634.4	-34.4							
2083	21	44147	630	633.2	-3.242							
2084	22	44243	600	632	-32.01							
2085	23	44326	560	630.9	-70.94							
2086	24	44418	610	629.8	-19.75							
2087	25	44505	600	628.6	-28.63							
2088	26	44607	600	627.3	-27.32							
2089	27	44690	550	626.2	-76.25							
2090	28	44782	540	625.1	-85.06							
2091	29	44873	660	623.9	36.11							
2092	30	44966	730	622.7	107.3							
2093	31	45054	700	621.6	78.44							
2094	32	45147	580	620.4	-40.36							
2095	33	45239	690	619.2	70.82							
2096	34	45334	620	618	2.044							
2097	35	45426	660	616.8	43.23							
2098	36	45524	570	615.5	-45.51							
2099	37	45608	640	614.4	25.57							
2100	38	45707	630	613.2	16.85							
2101	CI-74-01											
2102												
2103	General Statistics											
2104	Number of Events				38							
2105	Number of Values Reported (n)				38							
2106	Number of Replicates				0							
2107	Minimum				702							
2108	Maximum				1200							
2109	Mean				898							
2110	Geometric Mean				888.4							
2111	Median				865							
2112	Standard Deviation				136.9							

	A	B	C	D	E	F	G	H	I	J	K	L
2113	Coefficient of Variation				0.152							
2114												
2115	Mann-Kendall Statistics											
2116	M-K Test Value (S)				58							
2117	Critical Value (0.05)				1.645							
2118	Standard Deviation of S				79.38							
2119	Standardized Value of S				0.718							
2120	Approximate p-value				0.236							
2121												
2122	Approximate inference for Theil-Sen Trend Test											
2123	Number of Slopes				703							
2124	Theil-Sen Slope				0.0126							
2125	Theil-Sen Intercept				310.1							
2126	M1				273.7							
2127	M2				429.3							
2128	95% LCL of Slope (0.025)				-0.0366							
2129	95% UCL of Slope (0.975)				0.0491							
2130												
2131	Insufficient evidence to identify a significant											
2132	trend at the specified level of significance.											
2133												
2134	Theil-Sen Trend Test Estimates and Residuals											
2135	#	Events	Values	Estimates	Residuals							
2136	1	42320	725	843.6	-118.6							
2137	2	42418	763	844.8	-81.85							
2138	3	42515	739	846.1	-107.1							
2139	4	42606	1000	847.2	152.8							
2140	5	42688	702	848.3	-146.3							
2141	6	42790	799	849.5	-50.54							
2142	7	42881	756	850.7	-94.69							
2143	8	42963	1030	851.7	178.3							
2144	9	43053	871	852.9	18.15							
2145	10	43150	960	854.1	105.9							
2146	11	43243	790	855.2	-65.25							
2147	12	43341	1100	856.5	243.5							
2148	13	43420	1100	857.5	242.5							
2149	14	43524	930	858.8	71.21							
2150	15	43606	850	859.8	-9.825							
2151	16	43691	820	860.9	-40.9							
2152	17	43788	1100	862.1	237.9							
2153	18	43875	1200	863.2	336.8							
2154	19	43969	1100	864.4	235.6							
2155	20	44064	820	865.6	-45.6							
2156	21	44152	1200	866.7	333.3							
2157	22	44249	1100	867.9	232.1							
2158	23	44333	980	869	111							
2159	24	44446	900	870.4	29.59							
2160	25	44512	880	871.2	8.753							
2161	26	44614	850	872.5	-22.53							
2162	27	44694	780	873.5	-93.54							
2163	28	44789	800	874.7	-74.74							
2164	29	44880	800	875.9	-75.89							
2165	30	44974	770	877.1	-107.1							
2166	31	45061	770	878.2	-108.2							
2167	32	45156	790	879.4	-89.37							
2168	33	45247	820	880.5	-60.51							
2169	34	45341	890	881.7	8.302							
2170	35	45443	870	883	-12.98							
2171	36	45532	860	884.1	-24.11							
2172	37	45615	910	885.2	24.85							
2173	38	45714	1000	886.4	113.6							
2174	CI-74-02											
2175												
2176	General Statistics											
2177	Number of Events				38							
2178	Number of Values Reported (n)				38							

	A	B	C	D	E	F	G	H	I	J	K	L
2179	Number of Replicates				0							
2180	Minimum				490							
2181	Maximum				1400							
2182	Mean				660.4							
2183	Geometric Mean				643.9							
2184	Median				615							
2185	Standard Deviation				177.1							
2186	Coefficient of Variation				0.268							
2187												
2188	Mann-Kendall Statistics											
2189	M-K Test Value (S)				413							
2190	Critical Value (0.05)				1.645							
2191	Standard Deviation of S				79.36							
2192	Standardized Value of S				5.191							
2193	Approximate p-value				1.0436E-7							
2194												
2195	Approximate inference for Theil-Sen Trend Test											
2196	Number of Slopes				703							
2197	Theil-Sen Slope				0.0573							
2198	Theil-Sen Intercept				-1908							
2199	M1'				286.2							
2200	One-sided 95% lower limit of Slope				0.0384							
2201	95% LCL of Slope (0.025)				0.0358							
2202	95% UCL of Slope (0.975)				0.0913							
2203												
2204	Statistically significant evidence of an increasing											
2205	trend at the specified level of significance.											
2206												
2207	Theil-Sen Trend Test Estimates and Residuals											
2208	#	Events	Values	Estimates	Residuals							
2209	1	42319	562	517.8	44.22							
2210	2	42418	592	523.5	68.54							
2211	3	42515	593	529	63.98							
2212	4	42606	581	534.2	46.77							
2213	5	42688	603	538.9	64.07							
2214	6	42790	587	544.8	42.22							
2215	7	42880	548	549.9	-1.94							
2216	8	42962	539	554.6	-15.64							
2217	9	43053	521	559.9	-38.86							
2218	10	43146	640	565.2	74.81							
2219	11	43243	560	570.7	-10.75							
2220	12	43335	490	576	-86.02							
2221	13	43419	550	580.8	-30.84							
2222	14	43524	560	586.9	-26.86							
2223	15	43606	600	591.6	8.445							
2224	16	43691	560	596.4	-36.43							
2225	17	43788	640	602	38.01							
2226	18	43875	640	607	33.03							
2227	19	43966	610	612.2	-2.191							
2228	20	44064	600	617.8	-17.81							
2229	21	44152	510	622.9	-112.9							
2230	22	44249	650	628.4	21.59							
2231	23	44330	650	633.1	16.94							
2232	24	44446	690	639.7	50.29							
2233	25	44511	600	643.4	-43.43							
2234	26	44614	650	649.3	0.664							
2235	27	44694	630	653.9	-23.92							
2236	28	44788	680	659.3	20.69							
2237	29	44879	620	664.5	-44.53							
2238	30	44974	670	670	0.0287							
2239	31	45058	650	674.8	-24.79							
2240	32	45156	650	680.4	-30.4							
2241	33	45247	850	685.6	164.4							
2242	34	45338	890	690.8	199.2							
2243	35	45443	670	696.9	-26.86							
2244	36	45530	860	701.8	158.2							

	A	B	C	D	E	F	G	H	I	J	K	L
2245	37	45614	1200	706.7	493.3							
2246	38	45713	1400	712.3	687.7							
2247	CI-74-03											
2248												
2249	General Statistics											
2250	Number of Events				38							
2251	Number of Values Reported (n)				38							
2252	Number of Replicates				0							
2253	Minimum				200							
2254	Maximum				1000							
2255	Mean				365.8							
2256	Geometric Mean				324.3							
2257	Median				255							
2258	Standard Deviation				206.1							
2259	Coefficient of Variation				0.563							
2260												
2261	Mann-Kendall Statistics											
2262	M-K Test Value (S)				-508							
2263	Critical Value (0.05)				-1.645							
2264	Standard Deviation of S				79.12							
2265	Standardized Value of S				-6.408							
2266	Approximate p-value				7.373E-11							
2267												
2268	Approximate inference for Theil-Sen Trend Test											
2269	Number of Slopes				703							
2270	Theil-Sen Slope				-0.129							
2271	Theil-Sen Intercept				5937							
2272	M2'				416.6							
2273	One-sided 95% upper limit of Slope				-0.0634							
2274	95% LCL of Slope (0.025)				-0.182							
2275	95% UCL of Slope (0.975)				-0.0549							
2276												
2277	Statistically significant evidence of a decreasing											
2278	trend at the specified level of significance.											
2279												
2280	Theil-Sen Trend Test Estimates and Residuals											
2281	#	Events	Values	Estimates	Residuals							
2282	1	42320	1000	473.7	526.3							
2283	2	42418	804	461	343							
2284	3	42515	693	448.5	244.5							
2285	4	42606	728	436.8	291.2							
2286	5	42688	654	426.2	227.8							
2287	6	42790	668	413	255							
2288	7	42880	641	401.4	239.6							
2289	8	42962	514	390.8	123.2							
2290	9	43053	548	379.1	168.9							
2291	10	43146	530	367.1	162.9							
2292	11	43243	430	354.5	75.46							
2293	12	43335	360	342.7	17.34							
2294	13	43419	300	331.8	-31.81							
2295	14	43524	250	318.3	-68.26							
2296	15	43606	260	307.7	-47.67							
2297	16	43691	260	296.7	-36.7							
2298	17	43788	230	284.2	-54.18							
2299	18	43875	260	272.9	-12.94							
2300	19	43966	260	261.2	-1.197							
2301	20	44062	240	248.8	-8.803							
2302	21	44152	250	237.2	12.82							
2303	22	44249	260	224.7	35.34							
2304	23	44330	250	214.2	35.8							
2305	24	44435	240	200.6	39.35							
2306	25	44511	230	190.8	39.16							
2307	26	44614	250	177.5	72.46							
2308	27	44694	200	167.2	32.79							
2309	28	44788	240	155.1	84.92							
2310	29	44879	220	143.3	76.67							

	A	B	C	D	E	F	G	H	I	J	K	L
2311	30	44974	300	131.1	168.9							
2312	31	45058	250	120.2	129.8							
2313	32	45156	210	107.6	102.4							
2314	33	45247	220	95.82	124.2							
2315	34	45338	230	84.07	145.9							
2316	35	45443	230	70.52	159.5							
2317	36	45530	250	59.29	190.7							
2318	37	45614	220	48.44	171.6							
2319	38	45713	220	35.66	184.3							
2320	CI-74-04											
2321												
2322	General Statistics											
2323	Number of Events				38							
2324	Number of Values Reported (n)				38							
2325	Number of Replicates				0							
2326	Minimum				460							
2327	Maximum				750							
2328	Mean				601.4							
2329	Geometric Mean				597.3							
2330	Median				598							
2331	Standard Deviation				70.88							
2332	Coefficient of Variation				0.118							
2333												
2334	Mann-Kendall Statistics											
2335	M-K Test Value (S)				305							
2336	Critical Value (0.05)				1.645							
2337	Standard Deviation of S				79.44							
2338	Standardized Value of S				3.827							
2339	Approximate p-value				6.4936E-5							
2340												
2341	Approximate inference for Theil-Sen Trend Test											
2342	Number of Slopes				703							
2343	Theil-Sen Slope				0.0383							
2344	Theil-Sen Intercept				-1087							
2345	M1'				286.2							
2346	One-sided 95% lower limit of Slope				0.0276							
2347	95% LCL of Slope (0.025)				0.0254							
2348	95% UCL of Slope (0.975)				0.0587							
2349												
2350	Statistically significant evidence of an increasing											
2351	trend at the specified level of significance.											
2352												
2353	Theil-Sen Trend Test Estimates and Residuals											
2354	#	Events	Values	Estimates	Residuals							
2355	1	42320	584	533.1	50.94							
2356	2	42418	582	536.8	45.19							
2357	3	42515	530	540.5	-10.52							
2358	4	42607	596	544	51.95							
2359	5	42689	551	547.2	3.816							
2360	6	42790	555	551.1	3.95							
2361	7	42881	516	554.5	-38.53							
2362	8	42963	569	557.7	11.33							
2363	9	43053	532	561.1	-29.12							
2364	10	43150	500	564.8	-64.83							
2365	11	43243	580	568.4	11.61							
2366	12	43343	590	572.2	17.78							
2367	13	43420	620	575.2	44.83							
2368	14	43525	600	579.2	20.81							
2369	15	43606	490	582.3	-92.29							
2370	16	43691	640	585.5	54.46							
2371	17	43789	630	589.3	40.71							
2372	18	43875	600	592.6	7.417							
2373	19	43969	470	596.2	-126.2							
2374	20	44064	640	599.8	40.18							
2375	21	44152	530	603.2	-73.19							
2376	22	44249	690	606.9	83.1							

	A	B	C	D	E	F	G	H	I	J	K	L
2377	23	44333	580	610.1	-30.12							
2378	24	44446	610	614.4	-4.441							
2379	25	44512	620	617	3.033							
2380	26	44615	730	620.9	109.1							
2381	27	44697	590	624	-34.05							
2382	28	44789	630	627.6	2.429							
2383	29	44880	580	631.1	-51.05							
2384	30	44978	670	634.8	35.19							
2385	31	45061	460	638	-178							
2386	32	45159	640	641.7	-1.734							
2387	33	45247	680	645.1	34.9							
2388	34	45341	740	648.7	91.3							
2389	35	45443	630	652.6	-22.61							
2390	36	45533	660	656.1	3.95							
2391	37	45615	690	659.2	30.81							
2392	38	45714	750	663	87.02							
2393	CI-74-05											
2394												
2395	General Statistics											
2396	Number of Events				37							
2397	Number Values Observations				38							
2398	Number Values Missing				1							
2399	Number of Values Reported (n)				37							
2400	Number of Replicates				0							
2401	Minimum				455							
2402	Maximum				790							
2403	Mean				610.7							
2404	Geometric Mean				607.4							
2405	Median				600							
2406	Standard Deviation				64.66							
2407	Coefficient of Variation				0.106							
2408												
2409	Mann-Kendall Statistics											
2410	M-K Test Value (S)				380							
2411	Critical Value (0.05)				1.645							
2412	Standard Deviation of S				76.27							
2413	Standardized Value of S				4.969							
2414	Approximate p-value				3.3633E-7							
2415												
2416	Approximate inference for Theil-Sen Trend Test											
2417	Number of Slopes				666							
2418	Theil-Sen Slope				0.04							
2419	Theil-Sen Intercept				-1161							
2420	M1'				270.3							
2421	One-sided 95% lower limit of Slope				0.03							
2422	95% LCL of Slope (0.025)				0.0274							
2423	95% UCL of Slope (0.975)				0.0586							
2424												
2425	Statistically significant evidence of an increasing											
2426	trend at the specified level of significance.											
2427												
2428	Theil-Sen Trend Test Estimates and Residuals											
2429	#	Events	Values	Estimates	Residuals							
2430	1	42320	561	534	27.04							
2431	2	42418	569	537.9	31.12							
2432	3	42515	533	541.8	-8.769							
2433	4	42607	455	545.5	-90.45							
2434	5	42689	560	548.7	11.26							
2435	6	42790	568	552.8	15.22							
2436	7	42881	590	556.4	33.57							
2437	8	42963	561	559.7	1.289							
2438	9	43053	539	563.3	-24.32							
2439	10	43150	570	567.2	2.8							
2440	11	43243	580	570.9	9.075							
2441	12	43341	560	574.8	-14.85							
2442	13	43420	560	578	-18.01							

	A	B	C	D	E	F	G	H	I	J	K	L
2443	14	43525	590	582.2	7.782							
2444	15	43606	580	585.5	-5.462							
2445	16	43690	580	588.8	-8.826							
2446	17	43789	540	592.8	-52.79							
2447	18	43875	600	596.2	3.765							
2448	19	43969	650	600	50							
2449	20	44064	630	603.8	26.2							
2450	21	44152	610	607.3	2.671							
2451	22	44250	690	611.3	78.75							
2452	23	44333	790	614.6	175.4							
2453	24	44439	670	618.8	51.18							
2454	25	44615	660	625.9	34.13							
2455	26	44697	680	629.2	50.84							
2456	27	44789	660	632.8	27.16							
2457	28	44880	580	636.5	-56.48							
2458	29	44978	630	640.4	-10.41							
2459	30	45061	600	643.7	-43.73							
2460	31	45159	620	647.7	-27.66							
2461	32	45247	630	651.2	-21.18							
2462	33	45341	720	654.9	65.05							
2463	34	45446	650	659.2	-9.152							
2464	35	45533	630	662.6	-32.64							
2465	36	45615	660	665.9	-5.92							
2466	37	45714	740	669.9	70.12							
2467	CI-833-02											
2468												
2469	General Statistics											
2470	Number of Events				38							
2471	Number of Values Reported (n)				38							
2472	Number of Replicates				0							
2473	Minimum				796							
2474	Maximum				1400							
2475	Mean				1241							
2476	Geometric Mean				1227							
2477	Median				1300							
2478	Standard Deviation				174.3							
2479	Coefficient of Variation				0.141							
2480												
2481	Mann-Kendall Statistics											
2482	M-K Test Value (S)				56							
2483	Critical Value (0.05)				1.645							
2484	Standard Deviation of S				77.35							
2485	Standardized Value of S				0.711							
2486	Approximate p-value				0.239							
2487												
2488	Approximate inference for Theil-Sen Trend Test											
2489	Number of Slopes				703							
2490	Theil-Sen Slope				0							
2491	Theil-Sen Intercept				1300							
2492	M1				275.7							
2493	M2				427.3							
2494	95% LCL of Slope (0.025)				0							
2495	95% UCL of Slope (0.975)				0.0456							
2496												
2497	Insufficient evidence to identify a significant											
2498	trend at the specified level of significance.											
2499												
2500	Theil-Sen Trend Test Estimates and Residuals											
2501	#	Events	Values	Estimates	Residuals							
2502	1	42326	1300	1300	0							
2503	2	42422	796	1300	-504							
2504	3	42521	1400	1300	100							
2505	4	42611	1360	1300	60							
2506	5	42692	1340	1300	40							
2507	6	42794	1240	1300	-60							
2508	7	42885	1340	1300	40							

	A	B	C	D	E	F	G	H	I	J	K	L
2509	8	42979	977	1300	-323							
2510	9	43055	1300	1300	0							
2511	10	43152	1200	1300	-100							
2512	11	43249	1300	1300	0							
2513	12	43343	1300	1300	0							
2514	13	43430	1300	1300	0							
2515	14	43528	1300	1300	0							
2516	15	43607	1400	1300	100							
2517	16	43691	1400	1300	100							
2518	17	43790	1000	1300	-300							
2519	18	43878	1200	1300	-100							
2520	19	43971	950	1300	-350							
2521	20	44067	1000	1300	-300							
2522	21	44153	1100	1300	-200							
2523	22	44251	1300	1300	0							
2524	23	44334	1400	1300	100							
2525	24	44425	1300	1300	0							
2526	25	44516	1300	1300	0							
2527	26	44616	1200	1300	-100							
2528	27	44699	1400	1300	100							
2529	28	44790	810	1300	-490							
2530	29	44882	930	1300	-370							
2531	30	44979	1400	1300	100							
2532	31	45062	1300	1300	0							
2533	32	45160	1400	1300	100							
2534	33	45250	1400	1300	100							
2535	34	45342	1300	1300	0							
2536	35	45433	1100	1300	-200							
2537	36	45534	1400	1300	100							
2538	37	45616	1400	1300	100							
2539	38	45715	1300	1300	0							
2540	CI-833-04											
2541												
2542	General Statistics											
2543	Number of Events				38							
2544	Number of Values Reported (n)				38							
2545	Number of Replicates				0							
2546	Minimum				586							
2547	Maximum				980							
2548	Mean				822.8							
2549	Geometric Mean				815.8							
2550	Median				830							
2551	Standard Deviation				106							
2552	Coefficient of Variation				0.129							
2553												
2554	Mann-Kendall Statistics											
2555	M-K Test Value (S)				57							
2556	Critical Value (0.05)				1.645							
2557	Standard Deviation of S				79.49							
2558	Standardized Value of S				0.705							
2559	Approximate p-value				0.241							
2560												
2561	Approximate inference for Theil-Sen Trend Test											
2562	Number of Slopes				703							
2563	Theil-Sen Slope				0.0156							
2564	Theil-Sen Intercept				144.4							
2565	M1				273.6							
2566	M2				429.4							
2567	95% LCL of Slope (0.025)				-0.0219							
2568	95% UCL of Slope (0.975)				0.0541							
2569												
2570	Insufficient evidence to identify a significant											
2571	trend at the specified level of significance.											
2572												
2573	Theil-Sen Trend Test Estimates and Residuals											
2574	#	Events	Values	Estimates	Residuals							

	A	B	C	D	E	F	G	H	I	J	K	L
2575	1	42327	762	803.6	-41.65							
2576	2	42422	746	805.1	-59.13							
2577	3	42517	781	806.6	-25.61							
2578	4	42611	977	808.1	168.9							
2579	5	42692	586	809.3	-223.3							
2580	6	42795	866	810.9	55.06							
2581	7	42885	880	812.3	67.66							
2582	8	42978	797	813.8	-16.79							
2583	9	43059	902	815	86.95							
2584	10	43151	680	816.5	-136.5							
2585	11	43244	910	817.9	92.07							
2586	12	43347	960	819.5	140.5							
2587	13	43430	950	820.8	129.2							
2588	14	43528	830	822.4	7.647							
2589	15	43608	800	823.6	-23.6							
2590	16	43692	980	824.9	155.1							
2591	17	43789	840	826.4	13.58							
2592	18	43878	720	827.8	-107.8							
2593	19	43971	670	829.3	-159.3							
2594	20	44067	690	830.7	-140.7							
2595	21	44153	620	832.1	-212.1							
2596	22	44250	740	833.6	-93.6							
2597	23	44333	680	834.9	-154.9							
2598	24	44425	830	836.3	-6.323							
2599	25	44515	940	837.7	102.3							
2600	26	44616	890	839.3	50.7							
2601	27	44697	950	840.6	109.4							
2602	28	44790	650	842	-192							
2603	29	44882	820	843.4	-23.44							
2604	30	44978	900	844.9	55.06							
2605	31	45062	790	846.2	-56.24							
2606	32	45160	900	847.8	52.23							
2607	33	45250	930	849.2	80.83							
2608	34	45342	870	850.6	19.39							
2609	35	45433	820	852	-32.02							
2610	36	45533	820	853.6	-33.58							
2611	37	45616	930	854.9	75.13							
2612	38	45715	860	856.4	3.585							
2613	CI-833-05											
2614												
2615	General Statistics											
2616	Number of Events				38							
2617	Number of Values Reported (n)				38							
2618	Number of Replicates				0							
2619	Minimum				931							
2620	Maximum				1330							
2621	Mean				1200							
2622	Geometric Mean				1194							
2623	Median				1200							
2624	Standard Deviation				112.1							
2625	Coefficient of Variation				0.0935							
2626												
2627	Mann-Kendall Statistics											
2628	M-K Test Value (S)				42							
2629	Critical Value (0.05)				1.645							
2630	Standard Deviation of S				77.16							
2631	Standardized Value of S				0.531							
2632	Approximate p-value				0.298							
2633												
2634	Approximate inference for Theil-Sen Trend Test											
2635	Number of Slopes				703							
2636	Theil-Sen Slope				0							
2637	Theil-Sen Intercept				1200							
2638	M1				275.9							
2639	M2				427.1							
2640	95% LCL of Slope (0.025)				0							

	A	B	C	D	E	F	G	H	I	J	K	L
2641	95% UCL of Slope (0.975)				0.0235							
2642												
2643	Insufficient evidence to identify a significant											
2644	trend at the specified level of significance.											
2645												
2646	Theil-Sen Trend Test Estimates and Residuals											
2647	#	Events	Values	Estimates	Residuals							
2648	1	42326	958	1200	-242							
2649	2	42419	1190	1200	-10							
2650	3	42516	1080	1200	-120							
2651	4	42611	1230	1200	30							
2652	5	42691	1330	1200	130							
2653	6	42795	1290	1200	90							
2654	7	42886	1260	1200	60							
2655	8	42978	1220	1200	20							
2656	9	43056	931	1200	-269							
2657	10	43153	1200	1200	0							
2658	11	43244	1100	1200	-100							
2659	12	43343	1300	1200	100							
2660	13	43430	1200	1200	0							
2661	14	43529	1200	1200	0							
2662	15	43607	1300	1200	100							
2663	16	43692	1300	1200	100							
2664	17	43789	1300	1200	100							
2665	18	43878	1300	1200	100							
2666	19	43970	1100	1200	-100							
2667	20	44068	1300	1200	100							
2668	21	44154	1200	1200	0							
2669	22	44252	1300	1200	100							
2670	23	44335	1100	1200	-100							
2671	24	44425	1300	1200	100							
2672	25	44516	1200	1200	0							
2673	26	44630	1200	1200	0							
2674	27	44699	1200	1200	0							
2675	28	44791	1200	1200	0							
2676	29	44886	1100	1200	-100							
2677	30	44980	1300	1200	100							
2678	31	45110	1000	1200	-200							
2679	32	45161	1000	1200	-200							
2680	33	45251	1000	1200	-200							
2681	34	45344	1300	1200	100							
2682	35	45434	1300	1200	100							
2683	36	45534	1200	1200	0							
2684	37	45617	1300	1200	100							
2685	38	45716	1300	1200	100							
2686	CI-833-06											
2687												
2688	General Statistics											
2689	Number of Events				38							
2690	Number of Values Reported (n)				38							
2691	Number of Replicates				0							
2692	Minimum				660							
2693	Maximum				1000							
2694	Mean				823.4							
2695	Geometric Mean				819.8							
2696	Median				820							
2697	Standard Deviation				78.04							
2698	Coefficient of Variation				0.0948							
2699												
2700	Mann-Kendall Statistics											
2701	M-K Test Value (S)				320							
2702	Critical Value (0.05)				1.645							
2703	Standard Deviation of S				79.41							
2704	Standardized Value of S				4.017							
2705	Approximate p-value				2.9432E-5							
2706												

	A	B	C	D	E	F	G	H	I	J	K	L
2707	Approximate inference for Theil-Sen Trend Test											
2708	Number of Slopes				703							
2709	Theil-Sen Slope				0.0517							
2710	Theil-Sen Intercept				-1457							
2711	M1'				286.2							
2712	One-sided 95% lower limit of Slope				0.0323							
2713	95% LCL of Slope (0.025)				0.0275							
2714	95% UCL of Slope (0.975)				0.0729							
2715												
2716	Statistically significant evidence of an increasing											
2717	trend at the specified level of significance.											
2718												
2719	Theil-Sen Trend Test Estimates and Residuals											
2720	#	Events	Values	Estimates	Residuals							
2721	1	42327	752	732.5	19.51							
2722	2	42422	706	737.4	-31.4							
2723	3	42517	711	742.3	-31.32							
2724	4	42608	660	747	-87.03							
2725	5	42691	809	751.3	57.68							
2726	6	42795	792	756.7	35.3							
2727	7	42886	800	761.4	38.59							
2728	8	42979	803	766.2	36.78							
2729	9	43055	786	770.2	15.85							
2730	10	43153	820	775.2	44.78							
2731	11	43249	740	780.2	-40.19							
2732	12	43347	670	785.3	-115.3							
2733	13	43431	820	789.6	30.4							
2734	14	43529	780	794.7	-14.67							
2735	15	43608	840	798.8	41.24							
2736	16	43692	880	803.1	76.89							
2737	17	43789	810	808.1	1.874							
2738	18	43878	870	812.7	57.27							
2739	19	43970	820	817.5	2.509							
2740	20	44067	900	822.5	77.49							
2741	21	44153	760	827	-66.96							
2742	22	44250	920	832	88.02							
2743	23	44334	800	836.3	-36.32							
2744	24	44425	860	841	18.97							
2745	25	44515	820	845.7	-25.69							
2746	26	44615	880	850.9	29.14							
2747	27	44697	890	855.1	34.9							
2748	28	44790	770	859.9	-89.92							
2749	29	44882	850	864.7	-14.67							
2750	30	44978	890	869.6	20.36							
2751	31	45061	820	873.9	-53.94							
2752	32	45159	790	879	-89.01							
2753	33	45250	770	883.7	-113.7							
2754	34	45342	1000	888.5	111.5							
2755	35	45433	960	893.2	66.82							
2756	36	45533	830	898.4	-68.36							
2757	37	45616	960	902.6	57.35							
2758	38	45714	950	907.7	42.28							
2759	CI-833-07											
2760												
2761	General Statistics											
2762	Number of Events				38							
2763	Number of Values Reported (n)				38							
2764	Number of Replicates				0							
2765	Minimum				808							
2766	Maximum				1400							
2767	Mean				1143							
2768	Geometric Mean				1135							
2769	Median				1100							
2770	Standard Deviation				130.9							
2771	Coefficient of Variation				0.115							
2772												

	A	B	C	D	E	F	G	H	I	J	K	L
2773	Mann-Kendall Statistics											
2774	M-K Test Value (S)				157							
2775	Critical Value (0.05)				1.645							
2776	Standard Deviation of S				78.18							
2777	Standardized Value of S				1.995							
2778	Approximate p-value				0.023							
2779												
2780	Approximate inference for Theil-Sen Trend Test											
2781	Number of Slopes				703							
2782	Theil-Sen Slope				0.0459							
2783	Theil-Sen Intercept				-919.2							
2784	M1				274.9							
2785	M2				428.1							
2786	95% LCL of Slope (0.025)				0							
2787	95% UCL of Slope (0.975)				0.0914							
2788												
2789	Insufficient evidence to identify a significant											
2790	trend at the specified level of significance.											
2791												
2792	Theil-Sen Trend Test Estimates and Residuals											
2793	#	Events	Values	Estimates	Residuals							
2794	1	42326	1130	1022	107.7							
2795	2	42418	1260	1027	233.4							
2796	3	42517	1230	1031	198.9							
2797	4	42611	1230	1035	194.6							
2798	5	42691	1180	1039	140.9							
2799	6	42795	1140	1044	96.15							
2800	7	42885	1120	1048	72.02							
2801	8	42978	1050	1052	-2.248							
2802	9	43056	808	1056	-247.8							
2803	10	43153	1000	1060	-60.28							
2804	11	43244	1000	1064	-64.45							
2805	12	43343	1100	1069	31.01							
2806	13	43430	1100	1073	27.02							
2807	14	43528	1100	1077	22.52							
2808	15	43607	1100	1081	18.9							
2809	16	43692	1100	1085	15							
2810	17	43789	1100	1089	10.55							
2811	18	43878	1100	1094	6.468							
2812	19	43970	1000	1098	-97.75							
2813	20	44068	1100	1102	-2.248							
2814	21	44154	970	1106	-136.2							
2815	22	44251	1000	1111	-110.6							
2816	23	44334	1000	1114	-114.4							
2817	24	44426	1100	1119	-18.67							
2818	25	44516	1000	1123	-122.8							
2819	26	44630	1100	1128	-28.03							
2820	27	44699	1100	1131	-31.19							
2821	28	44791	1200	1135	64.59							
2822	29	44883	1200	1140	60.37							
2823	30	44979	1200	1144	55.96							
2824	31	45062	1300	1148	152.2							
2825	32	45161	1400	1152	247.6							
2826	33	45251	1300	1157	143.5							
2827	34	45344	1400	1161	239.2							
2828	35	45442	1400	1165	234.7							
2829	36	45534	1200	1169	30.5							
2830	37	45617	1300	1173	126.7							
2831	38	45716	1300	1178	122.2							
2832	CI-833-08											
2833												
2834	General Statistics											
2835	Number of Events				38							
2836	Number of Values Reported (n)				38							
2837	Number of Replicates				0							
2838	Minimum				533							

	A	B	C	D	E	F	G	H	I	J	K	L
2839	Maximum				1600							
2840	Mean				1005							
2841	Geometric Mean				985.5							
2842	Median				987							
2843	Standard Deviation				200.2							
2844	Coefficient of Variation				0.199							
2845												
2846	Mann-Kendall Statistics											
2847	M-K Test Value (S)				169							
2848	Critical Value (0.05)				1.645							
2849	Standard Deviation of S				79.31							
2850	Standardized Value of S				2.118							
2851	Approximate p-value				0.0171							
2852												
2853	Approximate inference for Theil-Sen Trend Test											
2854	Number of Slopes				703							
2855	Theil-Sen Slope				0.0712							
2856	Theil-Sen Intercept				-2146							
2857	M1'				286.3							
2858	One-sided 95% lower limit of Slope				0.0163							
2859	95% LCL of Slope (0.025)				0							
2860	95% UCL of Slope (0.975)				0.137							
2861												
2862	Statistically significant evidence of an increasing											
2863	trend at the specified level of significance.											
2864												
2865	Theil-Sen Trend Test Estimates and Residuals											
2866	#	Events	Values	Estimates	Residuals							
2867	1	42326	533	866.6	-333.6							
2868	2	42419	1140	873.2	266.8							
2869	3	42517	1010	880.1	129.9							
2870	4	42611	1150	886.8	263.2							
2871	5	42692	1020	892.6	127.4							
2872	6	42795	960	899.9	60.07							
2873	7	42886	984	906.4	77.6							
2874	8	42979	917	913	3.977							
2875	9	43056	631	918.5	-287.5							
2876	10	43153	890	925.4	-35.41							
2877	11	43244	840	931.9	-91.88							
2878	12	43347	830	939.2	-109.2							
2879	13	43431	860	945.2	-85.19							
2880	14	43529	890	952.2	-62.16							
2881	15	43608	900	957.8	-57.79							
2882	16	43691	880	963.7	-83.69							
2883	17	43789	850	970.7	-120.7							
2884	18	43878	990	977	13							
2885	19	43970	820	983.5	-163.5							
2886	20	44067	880	990.5	-110.5							
2887	21	44153	850	996.6	-146.6							
2888	22	44251	1300	1004	296.5							
2889	23	44334	1200	1009	190.5							
2890	24	44426	730	1016	-286							
2891	25	44516	1100	1022	77.6							
2892	26	44630	1600	1031	569.5							
2893	27	44699	1200	1035	164.6							
2894	28	44791	1200	1042	158							
2895	29	44883	1100	1049	51.48							
2896	30	44979	1300	1055	244.6							
2897	31	45062	1100	1061	38.74							
2898	32	45160	1000	1068	-68.24							
2899	33	45251	1100	1075	25.29							
2900	34	45342	1100	1081	18.81							
2901	35	45434	980	1088	-107.7							
2902	36	45533	970	1095	-124.8							
2903	37	45617	1200	1101	99.24							
2904	38	45715	1200	1108	92.27							

	A	B	C	D	E	F	G	H	I	J	K	L
2905	CI-833-09											
2906												
2907	General Statistics											
2908	Number of Events				38							
2909	Number of Values Reported (n)				38							
2910	Number of Replicates				0							
2911	Minimum				690							
2912	Maximum				1190							
2913	Mean				824.1							
2914	Geometric Mean				818.5							
2915	Median				796							
2916	Standard Deviation				103							
2917	Coefficient of Variation				0.125							
2918												
2919	Mann-Kendall Statistics											
2920	M-K Test Value (S)				91							
2921	Critical Value (0.05)				1.645							
2922	Standard Deviation of S				79.38							
2923	Standardized Value of S				1.134							
2924	Approximate p-value				0.128							
2925												
2926	Approximate inference for Theil-Sen Trend Test											
2927	Number of Slopes				703							
2928	Theil-Sen Slope				0.0126							
2929	Theil-Sen Intercept				239.6							
2930	M1				273.7							
2931	M2				429.3							
2932	95% LCL of Slope (0.025)				-0.00817							
2933	95% UCL of Slope (0.975)				0.0293							
2934												
2935	Insufficient evidence to identify a significant											
2936	trend at the specified level of significance.											
2937												
2938	Theil-Sen Trend Test Estimates and Residuals											
2939	#	Events	Values	Estimates	Residuals							
2940	1	42326	902	774.6	127.4							
2941	2	42419	942	775.8	166.2							
2942	3	42516	726	777	-51							
2943	4	42608	793	778.2	14.84							
2944	5	42691	763	779.2	-16.21							
2945	6	42794	779	780.5	-1.515							
2946	7	42885	799	781.7	17.33							
2947	8	42978	701	782.8	-81.84							
2948	9	43055	1190	783.8	406.2							
2949	10	43152	730	785	-55.04							
2950	11	43244	770	786.2	-16.2							
2951	12	43347	810	787.5	22.49							
2952	13	43430	790	788.6	1.446							
2953	14	43528	760	789.8	-29.79							
2954	15	43607	790	790.8	-0.792							
2955	16	43691	790	791.9	-1.854							
2956	17	43790	750	793.1	-43.11							
2957	18	43879	800	794.2	5.77							
2958	19	43970	760	795.4	-35.38							
2959	20	44068	790	796.6	-6.619							
2960	21	44154	800	797.7	2.293							
2961	22	44252	750	798.9	-48.95							
2962	23	44335	690	800	-110							
2963	24	44426	1100	801.1	298.9							
2964	25	44517	800	802.3	-2.295							
2965	26	44630	910	803.7	106.3							
2966	27	44700	1000	804.6	195.4							
2967	28	44791	980	805.8	174.2							
2968	29	44886	840	807	33.04							
2969	30	44980	850	808.1	41.85							
2970	31	45063	850	809.2	40.8							

	A	B	C	D	E	F	G	H	I	J	K	L
2971	32	45161	780	810.4	-30.44							
2972	33	45257	830	811.6	18.35							
2973	34	45344	840	812.7	27.25							
2974	35	45442	830	814	16.01							
2975	36	45534	780	815.2	-35.15							
2976	37	45618	800	816.2	-16.21							
2977	38	45716	750	817.5	-67.45							
2978	CI-833-10											
2979												
2980	General Statistics											
2981	Number of Events				38							
2982	Number of Values Reported (n)				38							
2983	Number of Replicates				0							
2984	Minimum				534							
2985	Maximum				890							
2986	Mean				675.7							
2987	Geometric Mean				673							
2988	Median				680							
2989	Standard Deviation				61.96							
2990	Coefficient of Variation				0.0917							
2991												
2992	Mann-Kendall Statistics											
2993	M-K Test Value (S)				260							
2994	Critical Value (0.05)				1.645							
2995	Standard Deviation of S				79.32							
2996	Standardized Value of S				3.265							
2997	Approximate p-value				5.4666E-4							
2998												
2999	Approximate inference for Theil-Sen Trend Test											
3000	Number of Slopes				703							
3001	Theil-Sen Slope				0.0292							
3002	Theil-Sen Intercept				-603.4							
3003	M1'				286.3							
3004	One-sided 95% lower limit of Slope				0.0151							
3005	95% LCL of Slope (0.025)				0.0128							
3006	95% UCL of Slope (0.975)				0.0466							
3007												
3008	Statistically significant evidence of an increasing											
3009	trend at the specified level of significance.											
3010												
3011	Theil-Sen Trend Test Estimates and Residuals											
3012	#	Events	Values	Estimates	Residuals							
3013	1	42326	660	630.6	29.37							
3014	2	42419	691	633.3	57.66							
3015	3	42516	637	636.2	0.834							
3016	4	42608	677	638.8	38.15							
3017	5	42691	534	641.3	-107.3							
3018	6	42795	639	644.3	-5.3							
3019	7	42885	650	646.9	3.076							
3020	8	42978	606	649.6	-43.64							
3021	9	43055	613	651.9	-38.88							
3022	10	43153	630	654.7	-24.74							
3023	11	43244	610	657.4	-47.39							
3024	12	43343	600	660.3	-60.28							
3025	13	43430	620	662.8	-42.81							
3026	14	43528	580	665.7	-85.67							
3027	15	43607	640	668	-27.97							
3028	16	43691	660	670.4	-10.42							
3029	17	43790	630	673.3	-43.31							
3030	18	43879	680	675.9	4.096							
3031	19	43971	700	678.6	21.41							
3032	20	44068	710	681.4	28.59							
3033	21	44154	730	683.9	46.08							
3034	22	44252	710	686.8	23.22							
3035	23	44335	700	689.2	10.8							
3036	24	44426	730	691.9	38.15							

	A	B	C	D	E	F	G	H	I	J	K	L
3037	25	44517	750	694.5	55.5							
3038	26	44620	890	697.5	192.5							
3039	27	44700	740	699.8	40.16							
3040	28	44792	730	702.5	27.48							
3041	29	44886	680	705.3	-25.26							
3042	30	44980	730	708	22							
3043	31	45063	700	710.4	-10.42							
3044	32	45162	680	713.3	-33.31							
3045	33	45257	710	716.1	-6.079							
3046	34	45344	760	718.6	41.38							
3047	35	45442	680	721.5	-41.47							
3048	36	45538	640	724.3	-84.27							
3049	37	45618	670	726.6	-56.6							
3050	38	45716	680	729.5	-49.46							
3051	CI-86/340-01											
3052												
3053	General Statistics											
3054	Number of Events				38							
3055	Number of Values Reported (n)				38							
3056	Number of Replicates				0							
3057	Minimum				200							
3058	Maximum				445							
3059	Mean				280.5							
3060	Geometric Mean				273.4							
3061	Median				260							
3062	Standard Deviation				69.03							
3063	Coefficient of Variation				0.246							
3064												
3065	Mann-Kendall Statistics											
3066	M-K Test Value (S)				-168							
3067	Critical Value (0.05)				-1.645							
3068	Standard Deviation of S				78.95							
3069	Standardized Value of S				-2.115							
3070	Approximate p-value				0.0172							
3071												
3072	Approximate inference for Theil-Sen Trend Test											
3073	Number of Slopes				703							
3074	Theil-Sen Slope				-0.0258							
3075	Theil-Sen Intercept				1393							
3076	M1				274.1							
3077	M2				428.9							
3078	95% LCL of Slope (0.025)				-0.0543							
3079	95% UCL of Slope (0.975)				0							
3080												
3081	Insufficient evidence to identify a significant											
3082	trend at the specified level of significance.											
3083												
3084	Theil-Sen Trend Test Estimates and Residuals											
3085	#	Events	Values	Estimates	Residuals							
3086	1	42318	421	303.6	117.4							
3087	2	42415	422	301.1	120.9							
3088	3	42509	421	298.7	122.3							
3089	4	42605	408	296.2	111.8							
3090	5	42684	384	294.2	89.79							
3091	6	42782	387	291.7	95.31							
3092	7	42873	445	289.3	155.7							
3093	8	42958	338	287.2	50.85							
3094	9	43048	293	284.8	8.163							
3095	10	43143	300	282.4	17.61							
3096	11	43241	240	279.9	-39.87							
3097	12	43326	230	277.7	-47.68							
3098	13	43420	240	275.3	-35.26							
3099	14	43521	250	272.7	-22.66							
3100	15	43601	260	270.6	-10.6							
3101	16	43684	240	268.5	-28.46							
3102	17	43784	210	265.9	-55.88							

	A	B	C	D	E	F	G	H	I	J	K	L
3103	18	43868	230	263.7	-33.72							
3104	19	43969	250	261.1	-11.12							
3105	20	44056	220	258.9	-38.88							
3106	21	44146	200	256.6	-56.56							
3107	22	44242	240	254.1	-14.09							
3108	23	44322	230	252	-22.03							
3109	24	44417	240	249.6	-9.584							
3110	25	44504	260	247.3	12.66							
3111	26	44606	230	244.7	-14.72							
3112	27	44686	220	242.7	-22.66							
3113	28	44781	240	240.2	-0.21							
3114	29	44872	230	237.9	-7.867							
3115	30	44965	260	235.5	24.53							
3116	31	45051	270	233.3	36.74							
3117	32	45146	260	230.8	29.19							
3118	33	45238	260	228.4	31.56							
3119	34	45331	260	226	33.95							
3120	35	45425	270	223.6	46.37							
3121	36	45523	240	221.1	18.9							
3122	37	45607	280	218.9	61.06							
3123	38	45706	280	216.4	63.61							
3124	CI-dad-01											
3125												
3126	General Statistics											
3127	Number of Events				38							
3128	Number of Values Reported (n)				38							
3129	Number of Replicates				0							
3130	Minimum				250							
3131	Maximum				512							
3132	Mean				377.2							
3133	Geometric Mean				371.3							
3134	Median				370							
3135	Standard Deviation				67.13							
3136	Coefficient of Variation				0.178							
3137												
3138	Mann-Kendall Statistics											
3139	M-K Test Value (S)				-125							
3140	Critical Value (0.05)				-1.645							
3141	Standard Deviation of S				79.4							
3142	Standardized Value of S				-1.562							
3143	Approximate p-value				0.0592							
3144												
3145	Approximate inference for Theil-Sen Trend Test											
3146	Number of Slopes				703							
3147	Theil-Sen Slope				-0.0218							
3148	Theil-Sen Intercept				1331							
3149	M1				273.7							
3150	M2				429.3							
3151	95% LCL of Slope (0.025)				-0.0446							
3152	95% UCL of Slope (0.975)				0.00543							
3153												
3154	Insufficient evidence to identify a significant											
3155	trend at the specified level of significance.											
3156												
3157	Theil-Sen Trend Test Estimates and Residuals											
3158	#	Events	Values	Estimates	Residuals							
3159	1	42331	491	407	84.04							
3160	2	42425	512	404.9	107.1							
3161	3	42523	457	402.8	54.23							
3162	4	42619	502	400.7	101.3							
3163	5	42704	482	398.8	83.18							
3164	6	42801	438	396.7	41.29							
3165	7	42894	354	394.7	-40.68							
3166	8	42971	396	393	3.004							
3167	9	43059	400	391.1	8.924							
3168	10	43157	350	388.9	-38.94							

	A	B	C	D	E	F	G	H	I	J	K	L
3169	11	43251	250	386.9	-136.9							
3170	12	43336	280	385	-105							
3171	13	43432	320	382.9	-62.94							
3172	14	43529	350	380.8	-30.82							
3173	15	43607	300	379.1	-79.12							
3174	16	43696	290	377.2	-87.18							
3175	17	43802	360	374.9	-14.87							
3176	18	43882	420	373.1	46.88							
3177	19	43980	310	371	-60.98							
3178	20	44070	310	369	-59.02							
3179	21	44165	430	366.9	63.05							
3180	22	44256	410	365	45.04							
3181	23	44348	340	363	-22.95							
3182	24	44433	350	361.1	-11.1							
3183	25	44523	380	359.1	20.87							
3184	26	44623	420	357	63.05							
3185	27	44705	370	355.2	14.84							
3186	28	44797	360	353.2	6.844							
3187	29	44896	420	351	69							
3188	30	44987	470	349	121							
3189	31	45071	370	347.2	22.82							
3190	32	45168	390	345.1	44.94							
3191	33	45265	360	342.9	17.05							
3192	34	45352	420	341	78.95							
3193	35	45449	320	338.9	-18.93							
3194	36	45544	380	336.9	43.14							
3195	37	45630	260	335	-74.98							
3196	38	45723	310	333	-22.95							
3197	CI-dad-02											
3198												
3199	General Statistics											
3200	Number of Events				37							
3201	Number of Values Reported (n)				37							
3202	Number of Replicates				0							
3203	Minimum				230							
3204	Maximum				750							
3205	Mean				421.7							
3206	Geometric Mean				394							
3207	Median				400							
3208	Standard Deviation				158.7							
3209	Coefficient of Variation				0.376							
3210												
3211	Mann-Kendall Statistics											
3212	M-K Test Value (S)				7							
3213	Critical Value (0.05)				1.645							
3214	Standard Deviation of S				76.38							
3215	Standardized Value of S				0.0786							
3216	Approximate p-value				0.469							
3217												
3218	Approximate inference for Theil-Sen Trend Test											
3219	Number of Slopes				666							
3220	Theil-Sen Slope				0							
3221	Theil-Sen Intercept				400							
3222	M1				258.1							
3223	M2				407.9							
3224	95% LCL of Slope (0.025)				-0.0646							
3225	95% UCL of Slope (0.975)				0.0739							
3226												
3227	Insufficient evidence to identify a significant											
3228	trend at the specified level of significance.											
3229												
3230	Theil-Sen Trend Test Estimates and Residuals											
3231	#	Events	Values	Estimates	Residuals							
3232	1	42331	493	400	93							
3233	2	42425	520	400	120							
3234	3	42523	467	400	67							

	A	B	C	D	E	F	G	H	I	J	K	L
3235	4	42619	500	400	100							
3236	5	42704	506	400	106							
3237	6	42801	522	400	122							
3238	7	42894	473	400	73							
3239	8	42971	479	400	79							
3240	9	43059	534	400	134							
3241	10	43157	490	400	90							
3242	11	43251	430	400	30							
3243	12	43336	390	400	-10							
3244	13	43432	350	400	-50							
3245	14	43529	290	400	-110							
3246	15	43607	280	400	-120							
3247	16	43696	270	400	-130							
3248	17	43803	260	400	-140							
3249	18	43882	250	400	-150							
3250	19	43980	230	400	-170							
3251	20	44071	250	400	-150							
3252	21	44166	250	400	-150							
3253	22	44257	240	400	-160							
3254	23	44350	230	400	-170							
3255	24	44434	250	400	-150							
3256	25	44530	270	400	-130							
3257	26	44636	300	400	-100							
3258	27	44706	310	400	-90							
3259	28	44799	350	400	-50							
3260	29	44900	380	400	-20							
3261	30	44988	400	400	0							
3262	31	45072	460	400	60							
3263	32	45174	610	400	210							
3264	33	45266	670	400	270							
3265	34	45355	700	400	300							
3266	35	45450	740	400	340							
3267	36	45545	710	400	310							
3268	37	45727	750	400	350							
3269	CI-dad-03											
3270												
3271	General Statistics											
3272	Number of Events				37							
3273	Number of Values Reported (n)				37							
3274	Number of Replicates				0							
3275	Minimum				270							
3276	Maximum				647							
3277	Mean				369.1							
3278	Geometric Mean				358.3							
3279	Median				330							
3280	Standard Deviation				99.58							
3281	Coefficient of Variation				0.27							
3282												
3283	Mann-Kendall Statistics											
3284	M-K Test Value (S)				-312							
3285	Critical Value (0.05)				-1.645							
3286	Standard Deviation of S				76.23							
3287	Standardized Value of S				-4.08							
3288	Approximate p-value				2.2529E-5							
3289												
3290	Approximate inference for Theil-Sen Trend Test											
3291	Number of Slopes				666							
3292	Theil-Sen Slope				-0.056							
3293	Theil-Sen Intercept				2794							
3294	M2'				395.7							
3295	One-sided 95% upper limit of Slope				-0.0308							
3296	95% LCL of Slope (0.025)				-0.0853							
3297	95% UCL of Slope (0.975)				-0.0272							
3298												
3299	Statistically significant evidence of a decreasing											
3300	trend at the specified level of significance.											

	A	B	C	D	E	F	G	H	I	J	K	L
3301												
3302	Theil-Sen Trend Test Estimates and Residuals											
3303	#	Events	Values	Estimates	Residuals							
3304	1	42331	603	422.5	180.5							
3305	2	42425	558	417.3	140.7							
3306	3	42523	540	411.8	128.2							
3307	4	42619	289	406.4	-117.4							
3308	5	42704	647	401.7	245.3							
3309	6	42801	589	396.2	192.8							
3310	7	42894	454	391	62.99							
3311	8	42971	440	386.7	53.3							
3312	9	43059	446	381.8	64.23							
3313	10	43157	360	376.3	-16.27							
3314	11	43251	370	371	-1.009							
3315	12	43336	350	366.2	-16.25							
3316	13	43432	320	360.9	-40.87							
3317	14	43529	330	355.4	-25.43							
3318	15	43607	390	351.1	38.94							
3319	16	43696	330	346.1	-16.08							
3320	17	43803	320	340.1	-20.08							
3321	18	43882	300	335.7	-35.66							
3322	19	43983	300	330	-30							
3323	20	44074	300	324.9	-24.9							
3324	21	44166	270	319.7	-49.75							
3325	22	44257	290	314.6	-24.65							
3326	23	44350	310	309.4	0.56							
3327	24	44434	410	304.7	105.3							
3328	25	44531	340	299.3	40.7							
3329	26	44636	330	293.4	36.58							
3330	27	44707	330	289.4	40.56							
3331	28	44799	350	284.3	65.71							
3332	29	44900	290	278.6	11.37							
3333	30	44991	360	273.5	86.47							
3334	31	45072	310	269	41.01							
3335	32	45174	290	263.3	26.72							
3336	33	45267	310	258.1	51.93							
3337	34	45355	300	253.1	46.86							
3338	35	45453	280	247.6	32.35							
3339	36	45545	290	242.5	47.51							
3340	37	45727	360	232.3	127.7							
3341	CI-dad-04											
3342												
3343	General Statistics											
3344	Number of Events				35							
3345	Number of Values Reported (n)				35							
3346	Number of Replicates				0							
3347	Minimum				32.3							
3348	Maximum				547							
3349	Mean				354.9							
3350	Geometric Mean				324.4							
3351	Median				349							
3352	Standard Deviation				109.8							
3353	Coefficient of Variation				0.309							
3354												
3355	Mann-Kendall Statistics											
3356	M-K Test Value (S)				82							
3357	Critical Value (0.05)				1.645							
3358	Standard Deviation of S				70.33							
3359	Standardized Value of S				1.152							
3360	Approximate p-value				0.125							
3361												
3362	Approximate inference for Theil-Sen Trend Test											
3363	Number of Slopes				595							
3364	Theil-Sen Slope				0.0251							
3365	Theil-Sen Intercept				-751.7							
3366	M1				228.6							

	A	B	C	D	E	F	G	H	I	J	K	L
3367	M2				366.4							
3368	95% LCL of Slope (0.025)				-0.0173							
3369	95% UCL of Slope (0.975)				0.0535							
3370												
3371	Insufficient evidence to identify a significant											
3372	trend at the specified level of significance.											
3373												
3374	Theil-Sen Trend Test Estimates and Residuals											
3375	#	Events	Values	Estimates	Residuals							
3376	1	42331	443	310.1	132.9							
3377	2	42425	434	312.5	121.5							
3378	3	42523	547	314.9	232.1							
3379	4	42619	497	317.3	179.7							
3380	5	42706	343	319.5	23.5							
3381	6	42801	317	321.9	-4.885							
3382	7	42894	349	324.2	24.78							
3383	8	42971	380	326.1	53.85							
3384	9	43059	32.3	328.4	-296.1							
3385	10	43157	230	330.8	-100.8							
3386	11	43251	280	333.2	-53.17							
3387	12	43336	300	335.3	-35.3							
3388	13	43432	350	337.7	12.29							
3389	14	43529	340	340.1	-0.145							
3390	15	43608	330	342.1	-12.13							
3391	16	43696	320	344.3	-24.33							
3392	17	43803	330	347	-17.02							
3393	18	43882	320	349	-29							
3394	19	43983	320	351.5	-31.53							
3395	20	44074	330	353.8	-23.82							
3396	21	44167	310	356.1	-46.15							
3397	22	44257	340	358.4	-18.41							
3398	23	44350	380	360.7	19.26							
3399	24	44439	450	363	87.03							
3400	25	44531	470	365.3	104.7							
3401	26	44636	500	367.9	132.1							
3402	27	44707	150	369.7	-219.7							
3403	28	44804	80	372.1	-292.1							
3404	29	44901	400	374.6	25.44							
3405	30	45175	390	381.4	8.567							
3406	31	45267	410	383.7	26.26							
3407	32	45356	410	386	24.03							
3408	33	45453	420	388.4	31.59							
3409	34	45546	420	390.7	29.26							
3410	35	45727	500	395.3	104.7							
3411	CI-dad-05											
3412												
3413	General Statistics											
3414	Number of Events				37							
3415	Number of Values Reported (n)				37							
3416	Number of Replicates				0							
3417	Minimum				82							
3418	Maximum				722							
3419	Mean				393							
3420	Geometric Mean				336.2							
3421	Median				370							
3422	Standard Deviation				195.9							
3423	Coefficient of Variation				0.499							
3424												
3425	Mann-Kendall Statistics											
3426	M-K Test Value (S)				-382							
3427	Critical Value (0.05)				-1.645							
3428	Standard Deviation of S				76.42							
3429	Standardized Value of S				-4.986							
3430	Approximate p-value				3.0837E-7							
3431												
3432	Approximate inference for Theil-Sen Trend Test											

	A	B	C	D	E	F	G	H	I	J	K	L
3433	Number of Slopes				666							
3434	Theil-Sen Slope				-0.158							
3435	Theil-Sen Intercept				7339							
3436	M2'				395.8							
3437	One-sided 95% upper limit of Slope				-0.119							
3438	95% LCL of Slope (0.025)				-0.206							
3439	95% UCL of Slope (0.975)				-0.111							
3440												
3441	Statistically significant evidence of a decreasing											
3442	trend at the specified level of significance.											
3443												
3444	Theil-Sen Trend Test Estimates and Residuals											
3445	#	Events	Values	Estimates	Residuals							
3446	1	42331	493	631.8	-138.8							
3447	2	42425	654	616.9	37.13							
3448	3	42523	611	601.3	9.655							
3449	4	42619	614	586.1	27.87							
3450	5	42706	653	572.3	80.65							
3451	6	42801	434	557.3	-123.3							
3452	7	42894	722	542.6	179.4							
3453	8	42972	459	530.2	-71.2							
3454	9	43066	721	515.3	205.7							
3455	10	43157	660	500.9	159.1							
3456	11	43251	720	486	234							
3457	12	43336	650	472.5	177.5							
3458	13	43433	570	457.2	112.8							
3459	14	43529	370	441.9	-71.94							
3460	15	43608	460	429.4	30.58							
3461	16	43699	400	415	-15							
3462	17	43804	260	398.4	-138.4							
3463	18	43882	390	386	3.996							
3464	19	43983	290	370	-80							
3465	20	44074	220	355.6	-135.6							
3466	21	44167	290	340.8	-50.84							
3467	22	44259	310	326.3	-16.27							
3468	23	44354	370	311.2	58.79							
3469	24	44441	410	297.4	112.6							
3470	25	44536	400	282.4	117.6							
3471	26	44637	310	266.4	43.63							
3472	27	44712	300	254.5	45.51							
3473	28	44816	82	238	-156							
3474	29	44903	100	224.2	-124.2							
3475	30	44993	110	210	-99.96							
3476	31	45078	120	196.5	-76.49							
3477	32	45180	97	180.3	-83.33							
3478	33	45272	180	165.8	14.25							
3479	34	45358	310	152.1	157.9							
3480	35	45455	280	136.8	143.2							
3481	36	45551	160	121.5	38.46							
3482	37	45729	360	93.34	266.7							
3483	CI-dad-06r											
3484												
3485	General Statistics											
3486	Number of Events				10							
3487	Number of Values Reported (n)				10							
3488	Number of Replicates				0							
3489	Minimum				84							
3490	Maximum				110							
3491	Mean				97.8							
3492	Geometric Mean				97.48							
3493	Median				98							
3494	Standard Deviation				8.284							
3495	Coefficient of Variation				0.0847							
3496												
3497	Mann-Kendall Statistics											
3498	M-K Test Value (S)				6							

	A	B	C	D	E	F	G	H	I	J	K	L
3499	Tabulated p-value				0.3							
3500	Standard Deviation of S				11.05							
3501	Standardized Value of S				0.453							
3502	Approximate p-value				0.325							
3503												
3504	Approximate inference for Theil-Sen Trend Test											
3505	Number of Slopes				45							
3506	Theil-Sen Slope				0.0121							
3507	Theil-Sen Intercept				-449.9							
3508	M1				11.68							
3509	M2				33.32							
3510	95% LCL of Slope (0.025)				-0.0121							
3511	95% UCL of Slope (0.975)				0.0309							
3512												
3513	Insufficient evidence to identify a significant											
3514	trend at the specified level of significance.											
3515												
3516	Theil-Sen Trend Test Estimates and Residuals											
3517	#	Events	Values	Estimates	Residuals							
3518	1	44901	100	93.03	6.97							
3519	2	44992	88	94.13	-6.131							
3520	3	45076	84	95.15	-11.15							
3521	4	45175	110	96.34	13.66							
3522	5	45268	98	97.47	0.532							
3523	6	45356	100	98.53	1.468							
3524	7	45454	93	99.72	-6.717							
3525	8	45547	98	100.8	-2.842							
3526	9	45632	97	101.9	-4.869							
3527	10	45728	110	103	6.97							
3528	CI-dad-07											
3529												
3530	General Statistics											
3531	Number of Events				38							
3532	Number of Values Reported (n)				38							
3533	Number of Replicates				0							
3534	Minimum				370							
3535	Maximum				1200							
3536	Mean				629.2							
3537	Geometric Mean				601.9							
3538	Median				565							
3539	Standard Deviation				210.8							
3540	Coefficient of Variation				0.335							
3541												
3542	Mann-Kendall Statistics											
3543	M-K Test Value (S)				110							
3544	Critical Value (0.05)				1.645							
3545	Standard Deviation of S				79.46							
3546	Standardized Value of S				1.372							
3547	Approximate p-value				0.0851							
3548												
3549	Approximate inference for Theil-Sen Trend Test											
3550	Number of Slopes				703							
3551	Theil-Sen Slope				0.0392							
3552	Theil-Sen Intercept				-1163							
3553	M1				273.6							
3554	M2				429.4							
3555	95% LCL of Slope (0.025)				-0.0112							
3556	95% UCL of Slope (0.975)				0.113							
3557												
3558	Insufficient evidence to identify a significant											
3559	trend at the specified level of significance.											
3560												
3561	Theil-Sen Trend Test Estimates and Residuals											
3562	#	Events	Values	Estimates	Residuals							
3563	1	42338	638	498.6	139.4							
3564	2	42430	609	502.2	106.8							

	A	B	C	D	E	F	G	H	I	J	K	L
3565	3	42529	526	506.1	19.94							
3566	4	42620	583	509.6	73.37							
3567	5	42709	467	513.1	-46.12							
3568	6	42804	480	516.8	-36.85							
3569	7	42892	529	520.3	8.699							
3570	8	42975	576	523.6	52.44							
3571	9	43067	701	527.2	173.8							
3572	10	43158	740	530.7	209.3							
3573	11	43252	540	534.4	5.571							
3574	12	43339	500	537.8	-37.84							
3575	13	43433	500	541.5	-41.53							
3576	14	43532	530	545.4	-15.42							
3577	15	43609	540	548.4	-8.439							
3578	16	43698	560	551.9	8.068							
3579	17	43804	520	556.1	-36.09							
3580	18	43886	570	559.3	10.69							
3581	19	43985	570	563.2	6.805							
3582	20	44077	740	566.8	173.2							
3583	21	44169	650	570.4	79.58							
3584	22	44258	630	573.9	56.09							
3585	23	44351	630	577.6	52.44							
3586	24	44440	600	581.1	18.95							
3587	25	44537	500	584.9	-84.86							
3588	26	44642	480	589	-109							
3589	27	44713	410	591.8	-181.8							
3590	28	44817	370	595.8	-225.8							
3591	29	44902	410	599.2	-189.2							
3592	30	44994	450	602.8	-152.8							
3593	31	45082	530	606.2	-76.25							
3594	32	45175	560	609.9	-49.9							
3595	33	45273	720	613.7	106.3							
3596	34	45359	950	617.1	332.9							
3597	35	45456	1200	620.9	579.1							
3598	36	45552	1200	624.7	575.3							
3599	37	45636	1100	628	472							
3600	38	45730	1100	631.7	468.3							
3601	CI-dad-08											
3602												
3603	General Statistics											
3604	Number of Events				38							
3605	Number of Values Reported (n)				38							
3606	Number of Replicates				0							
3607	Minimum				1400							
3608	Maximum				2070							
3609	Mean				1732							
3610	Geometric Mean				1721							
3611	Median				1800							
3612	Standard Deviation				193.1							
3613	Coefficient of Variation				0.111							
3614												
3615	Mann-Kendall Statistics											
3616	M-K Test Value (S)				-373							
3617	Critical Value (0.05)				-1.645							
3618	Standard Deviation of S				78.53							
3619	Standardized Value of S				-4.737							
3620	Approximate p-value				1.0830E-6							
3621												
3622	Approximate inference for Theil-Sen Trend Test											
3623	Number of Slopes				703							
3624	Theil-Sen Slope				-0.149							
3625	Theil-Sen Intercept				8382							
3626	M2'				416.1							
3627	One-sided 95% upper limit of Slope				-0.115							
3628	95% LCL of Slope (0.025)				-0.184							
3629	95% UCL of Slope (0.975)				-0.109							
3630												

	A	B	C	D	E	F	G	H	I	J	K	L
3631	Statistically significant evidence of a decreasing											
3632	trend at the specified level of significance.											
3633												
3634	Theil-Sen Trend Test Estimates and Residuals											
3635	#	Events	Values	Estimates	Residuals							
3636	1	42331	2070	2054	16.02							
3637	2	42425	1990	2040	-49.93							
3638	3	42523	1960	2025	-65.28							
3639	4	42619	1950	2011	-60.93							
3640	5	42706	1990	1998	-7.923							
3641	6	42801	1860	1984	-123.7							
3642	7	42894	1670	1970	-299.8							
3643	8	42972	1450	1958	-508.2							
3644	9	43066	1580	1944	-364.1							
3645	10	43157	1700	1931	-230.5							
3646	11	43251	1900	1916	-16.45							
3647	12	43336	2000	1904	96.25							
3648	13	43433	1800	1889	-89.24							
3649	14	43529	1900	1875	25.11							
3650	15	43608	1800	1863	-63.08							
3651	16	43696	1800	1850	-49.93							
3652	17	43803	1800	1834	-33.93							
3653	18	43882	1800	1822	-22.12							
3654	19	43984	1800	1807	-6.876							
3655	20	44076	1800	1793	6.876							
3656	21	44168	1800	1779	20.63							
3657	22	44258	1800	1766	34.08							
3658	23	44354	2000	1752	248.4							
3659	24	44441	1900	1739	161.4							
3660	25	44536	1700	1724	-24.36							
3661	26	44638	1600	1709	-109.1							
3662	27	44712	1800	1698	102							
3663	28	44816	1600	1683	-82.5							
3664	29	44903	1500	1669	-169.5							
3665	30	44993	1600	1656	-56.04							
3666	31	45082	1600	1643	-42.74							
3667	32	45181	1500	1628	-127.9							
3668	33	45273	1400	1614	-214.2							
3669	34	45359	1500	1601	-101.3							
3670	35	45455	1600	1587	13.02							
3671	36	45551	1400	1573	-172.6							
3672	37	45632	1400	1561	-160.5							
3673	38	45729	1500	1546	-46.02							
3674	CI-dad-09											
3675												
3676	General Statistics											
3677	Number of Events				38							
3678	Number of Values Reported (n)				38							
3679	Number of Replicates				0							
3680	Minimum				93							
3681	Maximum				950							
3682	Mean				576.6							
3683	Geometric Mean				536.3							
3684	Median				556.5							
3685	Standard Deviation				193.1							
3686	Coefficient of Variation				0.335							
3687												
3688	Mann-Kendall Statistics											
3689	M-K Test Value (S)				-252							
3690	Critical Value (0.05)				-1.645							
3691	Standard Deviation of S				79.45							
3692	Standardized Value of S				-3.159							
3693	Approximate p-value				7.9121E-4							
3694												
3695	Approximate inference for Theil-Sen Trend Test											
3696	Number of Slopes				703							

	A	B	C	D	E	F	G	H	I	J	K	L
3697	Theil-Sen Slope				-0.0808							
3698	Theil-Sen Intercept				4114							
3699	M2'				416.8							
3700	One-sided 95% upper limit of Slope				-0.0437							
3701	95% LCL of Slope (0.025)				-0.133							
3702	95% UCL of Slope (0.975)				-0.0357							
3703												
3704	Statistically significant evidence of a decreasing											
3705	trend at the specified level of significance.											
3706												
3707	Theil-Sen Trend Test Estimates and Residuals											
3708	#	Events	Values	Estimates	Residuals							
3709	1	42331	563	693.8	-130.8							
3710	2	42429	574	685.9	-111.9							
3711	3	42527	583	678	-95.01							
3712	4	42620	619	670.5	-51.49							
3713	5	42710	676	663.2	12.78							
3714	6	42804	667	655.6	11.37							
3715	7	42895	773	648.3	124.7							
3716	8	42970	665	642.2	22.78							
3717	9	43067	816	634.4	181.6							
3718	10	43159	680	626.9	53.05							
3719	11	43255	870	619.2	250.8							
3720	12	43339	780	612.4	167.6							
3721	13	43434	910	604.7	305.3							
3722	14	43531	950	596.9	353.1							
3723	15	43609	900	590.6	309.4							
3724	16	43698	890	583.4	306.6							
3725	17	43805	250	574.8	-324.8							
3726	18	43880	610	568.7	41.3							
3727	19	43985	550	560.2	-10.22							
3728	20	44077	450	552.8	-102.8							
3729	21	44172	490	545.1	-55.11							
3730	22	44263	510	537.8	-27.76							
3731	23	44344	450	531.2	-81.21							
3732	24	44442	93	523.3	-430.3							
3733	25	44537	380	515.6	-135.6							
3734	26	44642	510	507.1	2.863							
3735	27	44713	510	501.4	8.599							
3736	28	44817	480	493	-13							
3737	29	44904	570	486	84.03							
3738	30	44994	520	478.7	41.3							
3739	31	45083	520	471.5	48.49							
3740	32	45182	410	463.5	-53.51							
3741	33	45274	430	456.1	-26.08							
3742	34	45362	430	449	-18.97							
3743	35	45456	640	441.4	198.6							
3744	36	45552	510	433.6	76.38							
3745	37	45637	450	426.8	23.25							
3746	38	45730	230	419.2	-189.2							
3747	CI-dad-10											
3748												
3749	General Statistics											
3750	Number of Events				38							
3751	Number of Values Reported (n)				38							
3752	Number of Replicates				0							
3753	Minimum				100							
3754	Maximum				460							
3755	Mean				391.9							
3756	Geometric Mean				380.8							
3757	Median				400							
3758	Standard Deviation				70.3							
3759	Coefficient of Variation				0.179							
3760												
3761	Mann-Kendall Statistics											
3762	M-K Test Value (S)				-66							

	A	B	C	D	E	F	G	H	I	J	K	L
3763	Critical Value (0.05)				-1.645							
3764	Standard Deviation of S				78.89							
3765	Standardized Value of S				-0.824							
3766	Approximate p-value				0.205							
3767												
3768	Approximate inference for Theil-Sen Trend Test											
3769	Number of Slopes				703							
3770	Theil-Sen Slope				-0.00353							
3771	Theil-Sen Intercept				555.5							
3772	M1				274.2							
3773	M2				428.8							
3774	95% LCL of Slope (0.025)				-0.017							
3775	95% UCL of Slope (0.975)				0.00713							
3776												
3777	Insufficient evidence to identify a significant											
3778	trend at the specified level of significance.											
3779												
3780	Theil-Sen Trend Test Estimates and Residuals											
3781	#	Events	Values	Estimates	Residuals							
3782	1	42332	146	406	-260							
3783	2	42429	457	405.7	51.34							
3784	3	42527	426	405.3	20.69							
3785	4	42620	451	405	46.01							
3786	5	42710	443	404.7	38.33							
3787	6	42802	435	404.3	30.66							
3788	7	42895	446	404	41.99							
3789	8	42972	100	403.7	-303.7							
3790	9	43067	457	403.4	53.59							
3791	10	43159	360	403.1	-43.08							
3792	11	43255	410	402.7	7.257							
3793	12	43339	380	402.4	-22.45							
3794	13	43434	420	402.1	17.89							
3795	14	43535	380	401.8	-21.75							
3796	15	43609	390	401.5	-11.49							
3797	16	43699	390	401.2	-11.17							
3798	17	43801	390	400.8	-10.81							
3799	18	43880	380	400.5	-20.54							
3800	19	43986	390	400.2	-10.16							
3801	20	44077	400	399.8	0.161							
3802	21	44159	420	399.5	20.45							
3803	22	44263	410	399.2	10.82							
3804	23	44344	390	398.9	-8.896							
3805	24	44432	400	398.6	1.415							
3806	25	44538	460	398.2	61.79							
3807	26	44643	390	397.8	-7.84							
3808	27	44714	390	397.6	-7.589							
3809	28	44818	360	397.2	-37.22							
3810	29	44904	420	396.9	23.08							
3811	30	44995	440	396.6	43.4							
3812	31	45086	400	396.3	3.725							
3813	32	45182	360	395.9	-35.94							
3814	33	45274	380	395.6	-15.61							
3815	34	45362	400	395.3	4.7							
3816	35	45457	390	395	-4.965							
3817	36	45554	380	394.6	-14.62							
3818	37	45638	410	394.3	15.67							
3819	38	45734	440	394	46.01							
3820	CI-dad-11											
3821												
3822	General Statistics											
3823	Number of Events				37							
3824	Number of Values Reported (n)				37							
3825	Number of Replicates				0							
3826	Minimum				447							
3827	Maximum				1320							
3828	Mean				799.5							

	A	B	C	D	E	F	G	H	I	J	K	L
3829	Geometric Mean				770.6							
3830	Median				690							
3831	Standard Deviation				228.6							
3832	Coefficient of Variation				0.286							
3833												
3834	Mann-Kendall Statistics											
3835	M-K Test Value (S)				58							
3836	Critical Value (0.05)				1.645							
3837	Standard Deviation of S				76.3							
3838	Standardized Value of S				0.747							
3839	Approximate p-value				0.228							
3840												
3841	Approximate inference for Theil-Sen Trend Test											
3842	Number of Slopes				666							
3843	Theil-Sen Slope				0.0252							
3844	Theil-Sen Intercept				-420.3							
3845	M1				258.2							
3846	M2				407.8							
3847	95% LCL of Slope (0.025)				-0.0366							
3848	95% UCL of Slope (0.975)				0.109							
3849												
3850	Insufficient evidence to identify a significant											
3851	trend at the specified level of significance.											
3852												
3853	Theil-Sen Trend Test Estimates and Residuals											
3854	#	Events	Values	Estimates	Residuals							
3855	1	42332	1320	646.2	673.8							
3856	2	42429	1060	648.6	411.4							
3857	3	42529	1060	651.2	408.8							
3858	4	42621	1200	653.5	546.5							
3859	5	42709	691	655.7	35.31							
3860	6	42802	983	658	325							
3861	7	42892	821	660.3	160.7							
3862	8	42976	550	662.4	-112.4							
3863	9	43068	447	664.7	-217.7							
3864	10	43157	590	667	-76.97							
3865	11	43251	690	669.3	20.66							
3866	12	43341	730	671.6	58.39							
3867	13	43437	710	674	35.97							
3868	14	43535	670	676.5	-6.497							
3869	15	43613	690	678.5	11.54							
3870	16	43697	690	680.6	9.422							
3871	17	43811	610	683.4	-73.45							
3872	18	43887	670	685.4	-15.36							
3873	19	44071	610	690	-80							
3874	20	44166	630	692.4	-62.39							
3875	21	44256	620	694.7	-74.66							
3876	22	44348	640	697	-56.98							
3877	23	44433	650	699.1	-49.12							
3878	24	44530	640	701.6	-61.56							
3879	25	44635	640	704.2	-64.21							
3880	26	44706	680	706	-26							
3881	27	44798	640	708.3	-68.32							
3882	28	44897	590	710.8	-120.8							
3883	29	44988	770	713.1	56.9							
3884	30	45071	730	715.2	14.81							
3885	31	45169	860	717.7	142.3							
3886	32	45266	1000	720.1	279.9							
3887	33	45352	1100	722.3	377.7							
3888	34	45450	1100	724.7	375.3							
3889	35	45544	1100	727.1	372.9							
3890	36	45631	1200	729.3	470.7							
3891	37	45726	1200	731.7	468.3							
3892	CI-dad-12											
3893												
3894	General Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
3895	Number of Events				38							
3896	Number of Values Reported (n)				38							
3897	Number of Replicates				0							
3898	Minimum				480							
3899	Maximum				1200							
3900	Mean				978.8							
3901	Geometric Mean				960.3							
3902	Median				982.5							
3903	Standard Deviation				183.6							
3904	Coefficient of Variation				0.188							
3905												
3906	Mann-Kendall Statistics											
3907	M-K Test Value (S)				-176							
3908	Critical Value (0.05)				-1.645							
3909	Standard Deviation of S				78.7							
3910	Standardized Value of S				-2.224							
3911	Approximate p-value				0.0131							
3912												
3913	Approximate inference for Theil-Sen Trend Test											
3914	Number of Slopes				703							
3915	Theil-Sen Slope				-0.075							
3916	Theil-Sen Intercept				4284							
3917	M1				274.4							
3918	M2				428.6							
3919	95% LCL of Slope (0.025)				-0.141							
3920	95% UCL of Slope (0.975)				0							
3921												
3922	Insufficient evidence to identify a significant											
3923	trend at the specified level of significance.											
3924												
3925	Theil-Sen Trend Test Estimates and Residuals											
3926	#	Events	Values	Estimates	Residuals							
3927	1	42332	735	1109	-374.4							
3928	2	42429	809	1102	-293.2							
3929	3	42529	889	1095	-205.7							
3930	4	42621	805	1088	-282.8							
3931	5	42709	1180	1081	98.82							
3932	6	42802	1200	1074	125.8							
3933	7	42898	975	1067	-92.01							
3934	8	42975	1070	1061	8.768							
3935	9	43068	1200	1054	145.7							
3936	10	43158	1200	1048	152.5							
3937	11	43252	1200	1040	159.5							
3938	12	43340	1100	1034	66.14							
3939	13	43437	1100	1027	73.41							
3940	14	43535	1100	1019	80.76							
3941	15	43613	1200	1013	186.6							
3942	16	43697	1200	1007	192.9							
3943	17	43802	480	999.2	-519.2							
3944	18	43887	1200	992.8	207.2							
3945	19	43980	1100	985.9	114.1							
3946	20	44070	1100	979.1	120.9							
3947	21	44165	1200	972	228							
3948	22	44256	1100	965.2	134.8							
3949	23	44348	1100	958.3	141.7							
3950	24	44433	1100	951.9	148.1							
3951	25	44523	870	945.2	-75.16							
3952	26	44623	950	937.7	12.34							
3953	27	44705	900	931.5	-31.51							
3954	28	44798	800	924.5	-124.5							
3955	29	44896	930	917.2	12.81							
3956	30	44987	810	910.4	-100.4							
3957	31	45071	720	904.1	-184.1							
3958	32	45168	800	896.8	-96.79							
3959	33	45265	810	889.5	-79.52							
3960	34	45352	820	883	-63							

	A	B	C	D	E	F	G	H	I	J	K	L
3961	35	45449	820	875.7	-55.72							
3962	36	45544	790	868.6	-78.6							
3963	37	45630	840	862.2	-22.15							
3964	38	45723	990	855.2	134.8							
3965	CI-dad-13											
3966												
3967	General Statistics											
3968	Number of Events				38							
3969	Number of Values Reported (n)				38							
3970	Number of Replicates				0							
3971	Minimum				360							
3972	Maximum				1100							
3973	Mean				607							
3974	Geometric Mean				594.8							
3975	Median				585							
3976	Standard Deviation				129.3							
3977	Coefficient of Variation				0.213							
3978												
3979	Mann-Kendall Statistics											
3980	M-K Test Value (S)				-5							
3981	Critical Value (0.05)				-1.645							
3982	Standard Deviation of S				79.5							
3983	Standardized Value of S				-0.0503							
3984	Approximate p-value				0.48							
3985												
3986	Approximate inference for Theil-Sen Trend Test											
3987	Number of Slopes				703							
3988	Theil-Sen Slope				0							
3989	Theil-Sen Intercept				585							
3990	M1				273.6							
3991	M2				429.4							
3992	95% LCL of Slope (0.025)				-0.0368							
3993	95% UCL of Slope (0.975)				0.042							
3994												
3995	Insufficient evidence to identify a significant											
3996	trend at the specified level of significance.											
3997												
3998	Theil-Sen Trend Test Estimates and Residuals											
3999	#	Events	Values	Estimates	Residuals							
4000	1	42332	642	585	57							
4001	2	42425	702	585	117							
4002	3	42523	676	585	91							
4003	4	42621	673	585	88							
4004	5	42709	622	585	37							
4005	6	42802	523	585	-62							
4006	7	42898	701	585	116							
4007	8	42971	619	585	34							
4008	9	43066	418	585	-167							
4009	10	43158	360	585	-225							
4010	11	43251	710	585	125							
4011	12	43339	450	585	-135							
4012	13	43432	470	585	-115							
4013	14	43532	570	585	-15							
4014	15	43609	590	585	5							
4015	16	43697	640	585	55							
4016	17	43802	1100	585	515							
4017	18	43887	580	585	-5							
4018	19	43980	550	585	-35							
4019	20	44071	600	585	15							
4020	21	44165	460	585	-125							
4021	22	44256	530	585	-55							
4022	23	44348	500	585	-85							
4023	24	44433	520	585	-65							
4024	25	44523	550	585	-35							
4025	26	44623	740	585	155							
4026	27	44705	580	585	-5							

	A	B	C	D	E	F	G	H	I	J	K	L
4027	28	44798	660	585	75							
4028	29	44897	630	585	45							
4029	30	44987	690	585	105							
4030	31	45071	570	585	-15							
4031	32	45168	580	585	-5							
4032	33	45265	850	585	265							
4033	34	45352	760	585	175							
4034	35	45450	530	585	-55							
4035	36	45545	510	585	-75							
4036	37	45630	560	585	-25							
4037	38	45717	650	585	65							
4038	CI-dad-14											
4039												
4040	General Statistics											
4041	Number of Events				38							
4042	Number of Values Reported (n)				38							
4043	Number of Replicates				0							
4044	Minimum				590							
4045	Maximum				1400							
4046	Mean				970							
4047	Geometric Mean				934.6							
4048	Median				920							
4049	Standard Deviation				264.1							
4050	Coefficient of Variation				0.272							
4051												
4052	Mann-Kendall Statistics											
4053	M-K Test Value (S)				-88							
4054	Critical Value (0.05)				-1.645							
4055	Standard Deviation of S				79.43							
4056	Standardized Value of S				-1.095							
4057	Approximate p-value				0.137							
4058												
4059	Approximate inference for Theil-Sen Trend Test											
4060	Number of Slopes				703							
4061	Theil-Sen Slope				-0.106							
4062	Theil-Sen Intercept				5579							
4063	M1				273.7							
4064	M2				429.3							
4065	95% LCL of Slope (0.025)				-0.218							
4066	95% UCL of Slope (0.975)				0.047							
4067												
4068	Insufficient evidence to identify a significant											
4069	trend at the specified level of significance.											
4070												
4071	Theil-Sen Trend Test Estimates and Residuals											
4072	#	Events	Values	Estimates	Residuals							
4073	1	42332	1220	1099	120.8							
4074	2	42429	1280	1089	191.1							
4075	3	42523	1280	1079	201							
4076	4	42621	1170	1069	101.4							
4077	5	42706	1140	1060	80.37							
4078	6	42802	1090	1049	40.53							
4079	7	42892	1060	1040	20.05							
4080	8	42975	1010	1031	-21.16							
4081	9	43066	1010	1022	-11.53							
4082	10	43157	910	1012	-101.9							
4083	11	43251	860	1002	-142							
4084	12	43341	890	992.4	-102.4							
4085	13	43432	840	982.8	-142.8							
4086	14	43532	830	972.2	-142.2							
4087	15	43609	860	964.1	-104.1							
4088	16	43697	820	954.8	-134.8							
4089	17	43802	730	943.7	-213.7							
4090	18	43887	820	934.7	-114.7							
4091	19	43980	720	924.8	-204.8							
4092	20	44071	690	915.2	-225.2							

	A	B	C	D	E	F	G	H	I	J	K	L
4093	21	44166	660	905.1	-245.1							
4094	22	44257	660	895.5	-235.5							
4095	23	44350	640	885.7	-245.7							
4096	24	44434	630	876.8	-246.8							
4097	25	44523	590	867.4	-277.4							
4098	26	44635	620	855.5	-235.5							
4099	27	44705	610	848.1	-238.1							
4100	28	44799	690	838.1	-148.1							
4101	29	44897	930	827.8	102.2							
4102	30	44987	1100	818.3	281.7							
4103	31	45072	1200	809.3	390.7							
4104	32	45169	1400	799	601							
4105	33	45265	1400	788.8	611.2							
4106	34	45352	1300	779.6	520.4							
4107	35	45450	1200	769.3	430.7							
4108	36	45544	1200	759.3	440.7							
4109	37	45630	1400	750.2	649.8							
4110	38	45726	1400	740.1	659.9							
4111	CI-dad-15											
4112												
4113	General Statistics											
4114	Number of Events				38							
4115	Number of Values Reported (n)				38							
4116	Number of Replicates				0							
4117	Minimum				466							
4118	Maximum				810							
4119	Mean				621.8							
4120	Geometric Mean				614.4							
4121	Median				605							
4122	Standard Deviation				98.43							
4123	Coefficient of Variation				0.158							
4124												
4125	Mann-Kendall Statistics											
4126	M-K Test Value (S)				510							
4127	Critical Value (0.05)				1.645							
4128	Standard Deviation of S				79.45							
4129	Standardized Value of S				6.406							
4130	Approximate p-value				7.452E-11							
4131												
4132	Approximate inference for Theil-Sen Trend Test											
4133	Number of Slopes				703							
4134	Theil-Sen Slope				0.0856							
4135	Theil-Sen Intercept				-3164							
4136	M1'				286.2							
4137	One-sided 95% lower limit of Slope				0.0757							
4138	95% LCL of Slope (0.025)				0.0723							
4139	95% UCL of Slope (0.975)				0.1							
4140												
4141	Statistically significant evidence of an increasing											
4142	trend at the specified level of significance.											
4143												
4144	Theil-Sen Trend Test Estimates and Residuals											
4145	#	Events	Values	Estimates	Residuals							
4146	1	42332	538	459.6	78.35							
4147	2	42429	536	467.9	68.05							
4148	3	42529	466	476.5	-10.51							
4149	4	42620	506	484.3	21.7							
4150	5	42709	496	491.9	4.082							
4151	6	42807	526	500.3	25.69							
4152	7	42895	532	507.8	24.16							
4153	8	42975	502	514.7	-12.69							
4154	9	43059	578	521.9	56.12							
4155	10	43158	550	530.4	19.65							
4156	11	43252	520	538.4	-18.4							
4157	12	43339	530	545.8	-15.85							
4158	13	43434	530	554	-23.98							

	A	B	C	D	E	F	G	H	I	J	K	L
4159	14	43532	540	562.4	-22.37							
4160	15	43609	580	569	11.04							
4161	16	43698	610	576.6	33.42							
4162	17	43804	520	585.7	-65.65							
4163	18	43887	610	592.8	17.24							
4164	19	43983	600	601	-0.977							
4165	20	44077	600	609	-9.023							
4166	21	44169	590	616.9	-26.9							
4167	22	44259	650	624.6	25.4							
4168	23	44351	760	632.5	127.5							
4169	24	44439	640	640	-0.0117							
4170	25	44532	700	648	52.03							
4171	26	44643	640	657.5	-17.47							
4172	27	44707	770	663	107							
4173	28	44804	680	671.3	8.743							
4174	29	44900	650	679.5	-29.47							
4175	30	44991	780	687.3	92.74							
4176	31	45076	640	694.5	-54.54							
4177	32	45174	710	702.9	7.07							
4178	33	45268	720	711	9.023							
4179	34	45356	720	718.5	1.49							
4180	35	45454	770	726.9	43.1							
4181	36	45546	760	734.8	25.23							
4182	37	45631	810	742.1	67.95							
4183	38	45728	770	750.4	19.65							
4184	CI-dad-16											
4185												
4186	General Statistics											
4187	Number of Events				37							
4188	Number of Values Reported (n)				37							
4189	Number of Replicates				0							
4190	Minimum				250							
4191	Maximum				821							
4192	Mean				474.5							
4193	Geometric Mean				455							
4194	Median				480							
4195	Standard Deviation				136.2							
4196	Coefficient of Variation				0.287							
4197												
4198	Mann-Kendall Statistics											
4199	M-K Test Value (S)				-331							
4200	Critical Value (0.05)				-1.645							
4201	Standard Deviation of S				76.39							
4202	Standardized Value of S				-4.32							
4203	Approximate p-value				7.8068E-6							
4204												
4205	Approximate inference for Theil-Sen Trend Test											
4206	Number of Slopes				666							
4207	Theil-Sen Slope				-0.109							
4208	Theil-Sen Intercept				5272							
4209	M2'				395.8							
4210	One-sided 95% upper limit of Slope				-0.0727							
4211	95% LCL of Slope (0.025)				-0.134							
4212	95% UCL of Slope (0.975)				-0.0682							
4213												
4214	Statistically significant evidence of a decreasing											
4215	trend at the specified level of significance.											
4216												
4217	Theil-Sen Trend Test Estimates and Residuals											
4218	#	Events	Values	Estimates	Residuals							
4219	1	42338	611	659.2	-48.24							
4220	2	42429	629	649.3	-20.32							
4221	3	42527	423	638.6	-215.6							
4222	4	42620	821	628.5	192.5							
4223	5	42706	342	619.1	-277.1							
4224	6	42802	649	608.7	40.32							

	A	B	C	D	E	F	G	H	I	J	K	L
4225	7	42892	666	598.9	67.13							
4226	8	42975	723	589.8	133.2							
4227	9	43067	583	579.8	3.193							
4228	10	43158	390	569.9	-179.9							
4229	11	43252	620	559.6	60.35							
4230	12	43339	550	550.2	-0.17							
4231	13	43433	520	539.9	-19.93							
4232	14	43532	450	529.1	-79.14							
4233	15	43608	420	520.9	-100.9							
4234	16	43697	480	511.2	-31.16							
4235	17	43804	470	499.5	-29.5							
4236	18	43886	400	490.6	-90.57							
4237	19	43983	520	480	40							
4238	20	44074	520	470.1	49.92							
4239	21	44167	500	460	40.05							
4240	22	44258	430	450	-20.04							
4241	23	44351	560	439.9	120.1							
4242	24	44439	530	430.3	99.69							
4243	25	44531	540	420.3	119.7							
4244	26	44636	490	408.8	81.15							
4245	27	44707	530	401.1	128.9							
4246	28	44804	430	390.5	39.46							
4247	29	44901	330	380	-49.98							
4248	30	44991	410	370.2	39.83							
4249	31	45076	330	360.9	-30.91							
4250	32	45175	250	350.1	-100.1							
4251	33	45267	280	340.1	-60.1							
4252	34	45356	270	330.4	-60.4							
4253	35	45453	290	319.8	-29.83							
4254	36	45546	270	309.7	-39.7							
4255	37	45727	330	290	40.03							
4256	CI-dad-17											
4257												
4258	General Statistics											
4259	Number of Events				37							
4260	Number of Values Reported (n)				37							
4261	Number of Replicates				0							
4262	Minimum				54							
4263	Maximum				454							
4264	Mean				132.9							
4265	Geometric Mean				115							
4266	Median				103							
4267	Standard Deviation				84.23							
4268	Coefficient of Variation				0.634							
4269												
4270	Mann-Kendall Statistics											
4271	M-K Test Value (S)				30							
4272	Critical Value (0.05)				1.645							
4273	Standard Deviation of S				76.4							
4274	Standardized Value of S				0.38							
4275	Approximate p-value				0.352							
4276												
4277	Approximate inference for Theil-Sen Trend Test											
4278	Number of Slopes				666							
4279	Theil-Sen Slope				0.00248							
4280	Theil-Sen Intercept				-5.926							
4281	M1				258.1							
4282	M2				407.9							
4283	95% LCL of Slope (0.025)				-0.0214							
4284	95% UCL of Slope (0.975)				0.0213							
4285												
4286	Insufficient evidence to identify a significant											
4287	trend at the specified level of significance.											
4288												
4289	Theil-Sen Trend Test Estimates and Residuals											
4290	#	Events	Values	Estimates	Residuals							

	A	B	C	D	E	F	G	H	I	J	K	L
4291	1	42338	373	98.92	274.1							
4292	2	42430	183	99.15	83.85							
4293	3	42527	240	99.39	140.6							
4294	4	42621	169	99.62	69.38							
4295	5	42709	126	99.84	26.16							
4296	6	42807	103	100.1	2.915							
4297	7	42893	84.2	100.3	-16.1							
4298	8	42972	454	100.5	353.5							
4299	9	43067	65.4	100.7	-35.33							
4300	10	43158	54	101	-46.95							
4301	11	43251	60	101.2	-41.18							
4302	12	43336	56	101.4	-45.4							
4303	13	43433	70	101.6	-31.64							
4304	14	43532	89	101.9	-12.88							
4305	15	43608	74	102.1	-28.07							
4306	16	43698	120	102.3	17.71							
4307	17	43804	65	102.6	-37.55							
4308	18	43886	71	102.8	-31.76							
4309	19	43984	86	103	-17							
4310	20	44076	73	103.2	-30.23							
4311	21	44167	92	103.5	-11.45							
4312	22	44259	96	103.7	-7.681							
4313	23	44354	180	103.9	76.08							
4314	24	44441	130	104.1	25.87							
4315	25	44536	190	104.4	85.63							
4316	26	44637	170	104.6	65.38							
4317	27	44712	190	104.8	85.2							
4318	28	44805	140	105	34.97							
4319	29	44903	170	105.3	64.72							
4320	30	44993	170	105.5	64.5							
4321	31	45078	190	105.7	84.29							
4322	32	45180	66	106	-39.96							
4323	33	45272	100	106.2	-6.19							
4324	34	45358	99	106.4	-7.403							
4325	35	45455	130	106.6	23.36							
4326	36	45551	68	106.9	-38.88							
4327	37	45729	120	107.3	12.68							
4328	CI-dad-18											
4329												
4330	General Statistics											
4331	Number of Events				38							
4332	Number of Values Reported (n)				38							
4333	Number of Replicates				0							
4334	Minimum				560							
4335	Maximum				923							
4336	Mean				672.9							
4337	Geometric Mean				669.7							
4338	Median				670							
4339	Standard Deviation				70.75							
4340	Coefficient of Variation				0.105							
4341												
4342	Mann-Kendall Statistics											
4343	M-K Test Value (S)				-122							
4344	Critical Value (0.05)				-1.645							
4345	Standard Deviation of S				79.29							
4346	Standardized Value of S				-1.526							
4347	Approximate p-value				0.0635							
4348												
4349	Approximate inference for Theil-Sen Trend Test											
4350	Number of Slopes				703							
4351	Theil-Sen Slope				-0.011							
4352	Theil-Sen Intercept				1153							
4353	M1				273.8							
4354	M2				429.2							
4355	95% LCL of Slope (0.025)				-0.0257							
4356	95% UCL of Slope (0.975)				8.6636E-4							

	A	B	C	D	E	F	G	H	I	J	K	L
4357												
4358	Insufficient evidence to identify a significant											
4359	trend at the specified level of significance.											
4360												
4361	Theil-Sen Trend Test Estimates and Residuals											
4362	#	Events	Values	Estimates	Residuals							
4363	1	42338	923	688.5	234.5							
4364	2	42430	918	687.5	230.5							
4365	3	42527	671	686.5	-15.47							
4366	4	42622	688	685.4	2.57							
4367	5	42709	684	684.5	-0.477							
4368	6	42802	684	683.5	0.542							
4369	7	42898	710	682.4	27.59							
4370	8	42976	620	681.6	-61.55							
4371	9	43068	684	680.5	3.458							
4372	10	43159	560	679.5	-119.5							
4373	11	43255	720	678.5	41.51							
4374	12	43340	630	677.6	-47.56							
4375	13	43433	680	676.5	3.458							
4376	14	43535	620	675.4	-55.42							
4377	15	43613	650	674.6	-24.57							
4378	16	43697	650	673.6	-23.65							
4379	17	43804	570	672.5	-102.5							
4380	18	43886	660	671.6	-11.58							
4381	19	43984	670	670.5	-0.504							
4382	20	44076	690	669.5	20.5							
4383	21	44168	720	668.5	51.51							
4384	22	44259	690	667.5	22.51							
4385	23	44354	670	666.4	3.551							
4386	24	44441	640	665.5	-25.5							
4387	25	44536	640	664.5	-24.45							
4388	26	44638	590	663.3	-73.34							
4389	27	44712	690	662.5	27.47							
4390	28	44816	600	661.4	-61.39							
4391	29	44903	720	660.4	59.57							
4392	30	44993	690	659.4	30.55							
4393	31	45082	680	658.5	21.53							
4394	32	45181	630	657.4	-27.39							
4395	33	45273	640	656.4	-16.38							
4396	34	45359	670	655.4	14.56							
4397	35	45455	670	654.4	15.62							
4398	36	45551	620	653.3	-33.33							
4399	37	45632	650	652.4	-2.444							
4400	38	45729	680	651.4	28.62							
4401	CI-dad-19											
4402												
4403	General Statistics											
4404	Number of Events				38							
4405	Number of Values Reported (n)				38							
4406	Number of Replicates				0							
4407	Minimum				418							
4408	Maximum				1830							
4409	Mean				988.3							
4410	Geometric Mean				973.7							
4411	Median				980							
4412	Standard Deviation				174							
4413	Coefficient of Variation				0.176							
4414												
4415	Mann-Kendall Statistics											
4416	M-K Test Value (S)				109							
4417	Critical Value (0.05)				1.645							
4418	Standard Deviation of S				78.71							
4419	Standardized Value of S				1.372							
4420	Approximate p-value				0.085							
4421												
4422	Approximate inference for Theil-Sen Trend Test											

	A	B	C	D	E	F	G	H	I	J	K	L
4423	Number of Slopes				703							
4424	Theil-Sen Slope				0.00992							
4425	Theil-Sen Intercept				543.4							
4426	M1				274.4							
4427	M2				428.6							
4428	95% LCL of Slope (0.025)				0							
4429	95% UCL of Slope (0.975)				0.0315							
4430												
4431	Insufficient evidence to identify a significant											
4432	trend at the specified level of significance.											
4433												
4434	Theil-Sen Trend Test Estimates and Residuals											
4435	#	Events	Values	Estimates	Residuals							
4436	1	42338	1050	963.2	86.78							
4437	2	42430	1060	964.1	95.87							
4438	3	42529	1830	965.1	864.9							
4439	4	42622	418	966	-548							
4440	5	42710	944	966.9	-22.91							
4441	6	42807	970	967.9	2.132							
4442	7	42898	928	968.8	-40.77							
4443	8	42976	864	969.5	-105.5							
4444	9	43068	1040	970.5	69.54							
4445	10	43159	890	971.4	-81.36							
4446	11	43255	980	972.3	7.69							
4447	12	43340	960	973.2	-13.15							
4448	13	43434	990	974.1	15.91							
4449	14	43535	970	975.1	-5.087							
4450	15	43613	1000	975.9	24.14							
4451	16	43697	1000	976.7	23.31							
4452	17	43803	1000	977.7	22.26							
4453	18	43886	940	978.6	-38.57							
4454	19	43984	930	979.5	-49.54							
4455	20	44077	970	980.5	-10.46							
4456	21	44169	920	981.4	-61.37							
4457	22	44258	940	982.3	-42.26							
4458	23	44351	1000	983.2	16.82							
4459	24	44440	1000	984.1	15.94							
4460	25	44532	970	985	-14.97							
4461	26	44637	980	986	-6.014							
4462	27	44708	1000	986.7	13.28							
4463	28	44805	970	987.7	-17.68							
4464	29	44902	960	988.6	-28.64							
4465	30	44992	970	989.5	-19.53							
4466	31	45078	980	990.4	-10.39							
4467	32	45180	950	991.4	-41.4							
4468	33	45272	1000	992.3	7.69							
4469	34	45358	1000	993.2	6.837							
4470	35	45454	1000	994.1	5.885							
4471	36	45547	980	995	-15.04							
4472	37	45632	1100	995.9	104.1							
4473	38	45729	1100	996.8	103.2							
4474	CI-dad-21											
4475												
4476	General Statistics											
4477	Number of Events				38							
4478	Number of Values Reported (n)				38							
4479	Number of Replicates				0							
4480	Minimum				590							
4481	Maximum				1350							
4482	Mean				850							
4483	Geometric Mean				836.5							
4484	Median				860							
4485	Standard Deviation				157.2							
4486	Coefficient of Variation				0.185							
4487												
4488	Mann-Kendall Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
4489	M-K Test Value (S)				-198							
4490	Critical Value (0.05)				-1.645							
4491	Standard Deviation of S				79.51							
4492	Standardized Value of S				-2.478							
4493	Approximate p-value				0.00661							
4494												
4495	Approximate inference for Theil-Sen Trend Test											
4496	Number of Slopes				703							
4497	Theil-Sen Slope				-0.0675							
4498	Theil-Sen Intercept				3834							
4499	M2'				416.9							
4500	One-sided 95% upper limit of Slope				-0.0242							
4501	95% LCL of Slope (0.025)				-0.115							
4502	95% UCL of Slope (0.975)				-0.0173							
4503												
4504	Statistically significant evidence of a decreasing											
4505	trend at the specified level of significance.											
4506												
4507	Theil-Sen Trend Test Estimates and Residuals											
4508	#	Events	Values	Estimates	Residuals							
4509	1	42331	708	974.8	-266.8							
4510	2	42429	815	968.2	-153.2							
4511	3	42527	1350	961.6	388.4							
4512	4	42620	1020	955.3	64.71							
4513	5	42710	936	949.2	-13.21							
4514	6	42804	939	942.9	-3.862							
4515	7	42895	977	936.7	40.28							
4516	8	42970	826	931.7	-105.7							
4517	9	43067	928	925.1	2.899							
4518	10	43159	700	918.9	-218.9							
4519	11	43255	750	912.4	-162.4							
4520	12	43339	830	906.7	-76.73							
4521	13	43434	910	900.3	9.683							
4522	14	43531	860	893.8	-33.77							
4523	15	43609	860	888.5	-28.5							
4524	16	43698	880	882.5	-2.488							
4525	17	43805	770	875.3	-105.3							
4526	18	43880	950	870.2	79.8							
4527	19	43985	860	863.1	-3.106							
4528	20	44077	970	856.9	113.1							
4529	21	44172	990	850.5	139.5							
4530	22	44263	980	844.3	135.7							
4531	23	44344	950	838.9	111.1							
4532	24	44442	920	832.2	87.76							
4533	25	44537	1200	825.8	374.2							
4534	26	44642	900	818.7	81.26							
4535	27	44713	870	813.9	56.06							
4536	28	44817	690	806.9	-116.9							
4537	29	44904	640	801	-161							
4538	30	44994	640	795	-155							
4539	31	45083	780	789	-8.956							
4540	32	45182	710	782.3	-72.27							
4541	33	45274	660	776.1	-116.1							
4542	34	45362	650	770.1	-120.1							
4543	35	45456	730	763.8	-33.77							
4544	36	45552	590	757.3	-167.3							
4545	37	45637	670	751.5	-81.54							
4546	38	45730	890	745.3	144.7							
4547	CI-dad-22											
4548												
4549	General Statistics											
4550	Number of Events				38							
4551	Number of Values Reported (n)				38							
4552	Number of Replicates				0							
4553	Minimum				4.03							
4554	Maximum				964							

	A	B	C	D	E	F	G	H	I	J	K	L
4555	Mean				804.8							
4556	Geometric Mean				716.3							
4557	Median				840							
4558	Standard Deviation				147.5							
4559	Coefficient of Variation				0.183							
4560												
4561	Mann-Kendall Statistics											
4562	M-K Test Value (S)				34							
4563	Critical Value (0.05)				1.645							
4564	Standard Deviation of S				79.33							
4565	Standardized Value of S				0.416							
4566	Approximate p-value				0.339							
4567												
4568	Approximate inference for Theil-Sen Trend Test											
4569	Number of Slopes				703							
4570	Theil-Sen Slope				0.00182							
4571	Theil-Sen Intercept				759.8							
4572	M1				273.8							
4573	M2				429.2							
4574	95% LCL of Slope (0.025)				-0.0185							
4575	95% UCL of Slope (0.975)				0.0236							
4576												
4577	Insufficient evidence to identify a significant											
4578	trend at the specified level of significance.											
4579												
4580	Theil-Sen Trend Test Estimates and Residuals											
4581	#	Events	Values	Estimates	Residuals							
4582	1	42331	964	836.9	127.1							
4583	2	42425	932	837.1	94.93							
4584	3	42529	815	837.3	-22.26							
4585	4	42619	863	837.4	25.58							
4586	5	42709	808	837.6	-29.59							
4587	6	42801	817	837.8	-20.76							
4588	7	42893	846	837.9	8.077							
4589	8	42970	803	838.1	-35.06							
4590	9	43067	4.03	838.2	-834.2							
4591	10	43158	860	838.4	21.59							
4592	11	43252	810	838.6	-28.58							
4593	12	43336	700	838.7	-138.7							
4594	13	43434	670	838.9	-168.9							
4595	14	43531	670	839.1	-169.1							
4596	15	43609	770	839.2	-69.23							
4597	16	43698	840	839.4	0.611							
4598	17	43805	780	839.6	-59.58							
4599	18	43880	870	839.7	30.28							
4600	19	43985	840	839.9	0.0883							
4601	20	44082	850	840.1	9.912							
4602	21	44172	870	840.3	29.75							
4603	22	44263	890	840.4	49.58							
4604	23	44344	840	840.6	-0.566							
4605	24	44442	860	840.7	19.26							
4606	25	44538	880	840.9	39.08							
4607	26	44643	780	841.1	-61.11							
4608	27	44714	880	841.2	38.76							
4609	28	44818	780	841.4	-61.43							
4610	29	44904	880	841.6	38.41							
4611	30	44994	870	841.7	28.25							
4612	31	45083	870	841.9	28.09							
4613	32	45182	740	842.1	-102.1							
4614	33	45274	820	842.3	-22.26							
4615	34	45362	810	842.4	-32.42							
4616	35	45456	820	842.6	-22.59							
4617	36	45555	760	842.8	-82.77							
4618	37	45637	840	842.9	-2.921							
4619	38	45733	880	843.1	36.9							
4620	CI-dad-23											

	A	B	C	D	E	F	G	H	I	J	K	L
4621												
4622	General Statistics											
4623	Number of Events				38							
4624	Number of Values Reported (n)				38							
4625	Number of Replicates				0							
4626	Minimum				260							
4627	Maximum				763							
4628	Mean				471.3							
4629	Geometric Mean				451.5							
4630	Median				485							
4631	Standard Deviation				134.5							
4632	Coefficient of Variation				0.285							
4633												
4634	Mann-Kendall Statistics											
4635	M-K Test Value (S)				-265							
4636	Critical Value (0.05)				-1.645							
4637	Standard Deviation of S				79.46							
4638	Standardized Value of S				-3.322							
4639	Approximate p-value				4.4610E-4							
4640												
4641	Approximate inference for Theil-Sen Trend Test											
4642	Number of Slopes				703							
4643	Theil-Sen Slope				-0.0804							
4644	Theil-Sen Intercept				4023							
4645	M2'				416.8							
4646	One-sided 95% upper limit of Slope				-0.0455							
4647	95% LCL of Slope (0.025)				-0.117							
4648	95% UCL of Slope (0.975)				-0.0373							
4649												
4650	Statistically significant evidence of a decreasing											
4651	trend at the specified level of significance.											
4652												
4653	Theil-Sen Trend Test Estimates and Residuals											
4654	#	Events	Values	Estimates	Residuals							
4655	1	42359	450	619	-169							
4656	2	42429	421	613.4	-192.4							
4657	3	42523	636	605.9	30.14							
4658	4	42620	462	598.1	-136.1							
4659	5	42709	566	590.9	-24.91							
4660	6	42801	577	583.5	-6.518							
4661	7	42893	580	576.1	3.875							
4662	8	42971	676	569.9	106.1							
4663	9	43068	763	562.1	200.9							
4664	10	43157	490	554.9	-64.91							
4665	11	43251	670	547.4	122.6							
4666	12	43339	580	540.3	39.71							
4667	13	43432	500	532.8	-32.81							
4668	14	43532	540	524.8	15.22							
4669	15	43609	390	518.6	-128.6							
4670	16	43696	540	511.6	28.4							
4671	17	43805	540	502.8	37.16							
4672	18	43887	350	496.3	-146.3							
4673	19	43983	520	488.5	31.46							
4674	20	44071	280	481.5	-201.5							
4675	21	44166	480	473.8	6.17							
4676	22	44257	460	466.5	-6.518							
4677	23	44350	540	459	80.96							
4678	24	44434	300	452.3	-152.3							
4679	25	44531	640	444.5	195.5							
4680	26	44635	620	436.1	183.9							
4681	27	44706	400	430.4	-30.44							
4682	28	44799	320	423	-103							
4683	29	44900	420	414.8	5.152							
4684	30	44988	550	407.8	142.2							
4685	31	45072	370	401	-31.03							
4686	32	45169	570	393.2	176.8							

	A	B	C	D	E	F	G	H	I	J	K	L
4687	33	45266	270	385.4	-115.4							
4688	34	45355	260	378.3	-118.3							
4689	35	45453	280	370.4	-90.41							
4690	36	45545	280	363	-83.02							
4691	37	45631	290	356.1	-66.11							
4692	38	45727	330	348.4	-18.39							
4693	CI-dad-24											
4694												
4695	General Statistics											
4696	Number of Events				36							
4697	Number of Values Reported (n)				36							
4698	Number of Replicates				0							
4699	Minimum				425							
4700	Maximum				1100							
4701	Mean				927.9							
4702	Geometric Mean				911.1							
4703	Median				955							
4704	Standard Deviation				151.8							
4705	Coefficient of Variation				0.164							
4706												
4707	Mann-Kendall Statistics											
4708	M-K Test Value (S)				330							
4709	Critical Value (0.05)				1.645							
4710	Standard Deviation of S				73.18							
4711	Standardized Value of S				4.496							
4712	Approximate p-value				3.4662E-6							
4713												
4714	Approximate inference for Theil-Sen Trend Test											
4715	Number of Slopes				630							
4716	Theil-Sen Slope				0.0522							
4717	Theil-Sen Intercept				-1345							
4718	M1'				254.8							
4719	One-sided 95% lower limit of Slope				0.0303							
4720	95% LCL of Slope (0.025)				0.0273							
4721	95% UCL of Slope (0.975)				0.0872							
4722												
4723	Statistically significant evidence of an increasing											
4724	trend at the specified level of significance.											
4725												
4726	Theil-Sen Trend Test Estimates and Residuals											
4727	#	Events	Values	Estimates	Residuals							
4728	1	42430	511	871.4	-360.4							
4729	2	42529	482	876.6	-394.6							
4730	3	42622	425	881.5	-456.5							
4731	4	42710	938	886.1	51.95							
4732	5	42807	947	891.1	55.88							
4733	6	42898	969	895.9	73.13							
4734	7	42976	910	899.9	10.05							
4735	8	43068	994	904.8	89.25							
4736	9	43159	810	909.5	-99.51							
4737	10	43255	960	914.5	45.48							
4738	11	43343	930	919.1	10.88							
4739	12	43434	940	923.9	16.13							
4740	13	43535	940	929.1	10.85							
4741	14	43613	980	933.2	46.78							
4742	15	43697	950	937.6	12.39							
4743	16	43803	950	943.1	6.857							
4744	17	43886	920	947.5	-27.48							
4745	18	43984	910	952.6	-42.6							
4746	19	44076	940	957.4	-17.4							
4747	20	44169	920	962.3	-42.26							
4748	21	44258	970	966.9	3.091							
4749	22	44351	1000	971.8	28.23							
4750	23	44440	960	976.4	-16.41							
4751	24	44532	980	981.2	-1.22							
4752	25	44637	890	986.7	-96.7							

	A	B	C	D	E	F	G	H	I	J	K	L
4753	26	44708	1000	990.4	9.587							
4754	27	44805	1000	995.5	4.521							
4755	28	44902	940	1001	-60.55							
4756	29	44992	970	1005	-35.25							
4757	30	45078	990	1010	-19.74							
4758	31	45180	980	1015	-35.07							
4759	32	45268	1100	1020	80.34							
4760	33	45358	1100	1024	75.64							
4761	34	45454	1100	1029	70.62							
4762	35	45547	1000	1034	-34.23							
4763	36	45728	1100	1044	56.31							
4764	CI-dad-25											
4765												
4766	General Statistics											
4767	Number of Events				38							
4768	Number of Values Reported (n)				38							
4769	Number of Replicates				0							
4770	Minimum				120							
4771	Maximum				1580							
4772	Mean				770.6							
4773	Geometric Mean				674.9							
4774	Median				750							
4775	Standard Deviation				353.7							
4776	Coefficient of Variation				0.459							
4777												
4778	Mann-Kendall Statistics											
4779	M-K Test Value (S)				60							
4780	Critical Value (0.05)				1.645							
4781	Standard Deviation of S				79.51							
4782	Standardized Value of S				0.742							
4783	Approximate p-value				0.229							
4784												
4785	Approximate inference for Theil-Sen Trend Test											
4786	Number of Slopes				703							
4787	Theil-Sen Slope				0.0668							
4788	Theil-Sen Intercept				-2193							
4789	M1				273.6							
4790	M2				429.4							
4791	95% LCL of Slope (0.025)				-0.11							
4792	95% UCL of Slope (0.975)				0.174							
4793												
4794	Insufficient evidence to identify a significant											
4795	trend at the specified level of significance.											
4796												
4797	Theil-Sen Trend Test Estimates and Residuals											
4798	#	Events	Values	Estimates	Residuals							
4799	1	42360	1580	638.4	941.6							
4800	2	42430	1380	643.1	736.9							
4801	3	42527	1390	649.5	740.5							
4802	4	42621	1420	655.8	764.2							
4803	5	42706	1350	661.5	688.5							
4804	6	42804	954	668.1	285.9							
4805	7	42894	678	674.1	3.923							
4806	8	42972	414	679.3	-265.3							
4807	9	43066	456	685.6	-229.6							
4808	10	43158	490	691.7	-201.7							
4809	11	43255	550	698.2	-148.2							
4810	12	43340	510	703.9	-193.9							
4811	13	43433	550	710.1	-160.1							
4812	14	43535	560	716.9	-156.9							
4813	15	43613	600	722.1	-122.1							
4814	16	43699	600	727.9	-127.9							
4815	17	43805	640	735	-94.96							
4816	18	43887	760	740.4	19.56							
4817	19	43984	700	746.9	-46.93							
4818	20	44076	760	753.1	6.926							

	A	B	C	D	E	F	G	H	I	J	K	L
4819	21	44168	850	759.2	90.78							
4820	22	44259	880	765.3	114.7							
4821	23	44354	940	771.7	168.3							
4822	24	44442	140	777.5	-637.5							
4823	25	44537	170	783.9	-613.9							
4824	26	44638	120	790.6	-670.6							
4825	27	44713	420	795.6	-375.6							
4826	28	44816	550	802.5	-252.5							
4827	29	44903	590	808.3	-218.3							
4828	30	44994	740	814.4	-74.43							
4829	31	45082	780	820.3	-40.31							
4830	32	45181	800	826.9	-26.93							
4831	33	45273	840	833.1	6.926							
4832	34	45359	900	838.8	61.18							
4833	35	45455	920	845.2	74.76							
4834	36	45552	1000	851.7	148.3							
4835	37	45636	1100	857.3	242.7							
4836	38	45730	1200	863.6	336.4							
4837	CI-dad-26											
4838												
4839	General Statistics											
4840	Number of Events				38							
4841	Number of Values Reported (n)				38							
4842	Number of Replicates				0							
4843	Minimum				300							
4844	Maximum				1160							
4845	Mean				750.1							
4846	Geometric Mean				716.3							
4847	Median				725							
4848	Standard Deviation				223.2							
4849	Coefficient of Variation				0.298							
4850												
4851	Mann-Kendall Statistics											
4852	M-K Test Value (S)				-277							
4853	Critical Value (0.05)				-1.645							
4854	Standard Deviation of S				79.48							
4855	Standardized Value of S				-3.472							
4856	Approximate p-value				2.5791E-4							
4857												
4858	Approximate inference for Theil-Sen Trend Test											
4859	Number of Slopes				703							
4860	Theil-Sen Slope				-0.137							
4861	Theil-Sen Intercept				6748							
4862	M2'				416.9							
4863	One-sided 95% upper limit of Slope				-0.085							
4864	95% LCL of Slope (0.025)				-0.204							
4865	95% UCL of Slope (0.975)				-0.0694							
4866												
4867	Statistically significant evidence of a decreasing											
4868	trend at the specified level of significance.											
4869												
4870	Theil-Sen Trend Test Estimates and Residuals											
4871	#	Events	Values	Estimates	Residuals							
4872	1	42360	749	953.9	-204.9							
4873	2	42430	837	944.3	-107.3							
4874	3	42527	858	931.1	-73.08							
4875	4	42621	1030	918.2	111.8							
4876	5	42710	1090	906	184							
4877	6	42804	1110	893.2	216.8							
4878	7	42895	1090	880.7	209.3							
4879	8	42975	1090	869.8	220.2							
4880	9	43067	1160	857.2	302.8							
4881	10	43159	940	844.6	95.38							
4882	11	43255	920	831.5	88.51							
4883	12	43340	870	819.9	50.13							
4884	13	43434	860	807	52.99							

	A	B	C	D	E	F	G	H	I	J	K	L
4885	14	43531	800	793.7	6.262							
4886	15	43613	730	782.5	-52.52							
4887	16	43698	700	770.9	-70.89							
4888	17	43805	300	756.3	-456.3							
4889	18	43880	480	746	-266							
4890	19	43985	640	731.6	-91.63							
4891	20	44082	640	718.4	-78.37							
4892	21	44172	580	706.1	-126.1							
4893	22	44263	810	693.6	116.4							
4894	23	44344	640	682.5	-42.53							
4895	24	44446	560	668.6	-108.6							
4896	25	44538	470	656	-186							
4897	26	44643	560	641.6	-81.63							
4898	27	44714	520	631.9	-111.9							
4899	28	44818	490	617.7	-127.7							
4900	29	44907	500	605.5	-105.5							
4901	30	44995	720	593.5	126.5							
4902	31	45083	610	581.4	28.56							
4903	32	45183	930	567.8	362.2							
4904	33	45275	1000	555.2	444.8							
4905	34	45362	970	543.3	426.7							
4906	35	45457	570	530.3	39.72							
4907	36	45554	570	517	52.99							
4908	37	45638	660	505.5	154.5							
4909	38	45733	450	492.5	-42.52							
4910	CI-dad-27											
4911												
4912	General Statistics											
4913	Number of Events				10							
4914	Number of Values Reported (n)				10							
4915	Number of Replicates				0							
4916	Minimum				450							
4917	Maximum				580							
4918	Mean				477							
4919	Geometric Mean				475.8							
4920	Median				470							
4921	Standard Deviation				38.02							
4922	Coefficient of Variation				0.0797							
4923												
4924	Mann-Kendall Statistics											
4925	M-K Test Value (S)				1							
4926	Tabulated p-value				0.5							
4927	Standard Deviation of S				10.69							
4928	Standardized Value of S				0							
4929	Approximate p-value				0.5							
4930												
4931	Approximate inference for Theil-Sen Trend Test											
4932	Number of Slopes				45							
4933	Theil-Sen Slope				0							
4934	Theil-Sen Intercept				470							
4935	M1				12.02							
4936	M2				32.98							
4937	95% LCL of Slope (0.025)				-0.053							
4938	95% UCL of Slope (0.975)				0.0537							
4939												
4940	Insufficient evidence to identify a significant											
4941	trend at the specified level of significance.											
4942												
4943	Theil-Sen Trend Test Estimates and Residuals											
4944	#	Events	Values	Estimates	Residuals							
4945	1	44907	470	470	0							
4946	2	44995	460	470	-10							
4947	3	45083	490	470	20							
4948	4	45183	450	470	-20							
4949	5	45274	450	470	-20							
4950	6	45362	470	470	0							

	A	B	C	D	E	F	G	H	I	J	K	L
4951	7	45457	580	470	110							
4952	8	45554	470	470	0							
4953	9	45638	470	470	0							
4954	10	45733	460	470	-10							
4955	CI-mw-4											
4956												
4957	General Statistics											
4958	Number of Events				23							
4959	Number of Values Reported (n)				23							
4960	Number of Replicates				0							
4961	Minimum				1200							
4962	Maximum				1800							
4963	Mean				1417							
4964	Geometric Mean				1409							
4965	Median				1400							
4966	Standard Deviation				161.4							
4967	Coefficient of Variation				0.114							
4968												
4969	Mann-Kendall Statistics											
4970	M-K Test Value (S)				-7							
4971	Critical Value (0.05)				-1.645							
4972	Standard Deviation of S				37.02							
4973	Standardized Value of S				-0.162							
4974	Approximate p-value				0.436							
4975												
4976	Approximate inference for Theil-Sen Trend Test											
4977	Number of Slopes				253							
4978	Theil-Sen Slope				0							
4979	Theil-Sen Intercept				1400							
4980	M1				90.22							
4981	M2				162.8							
4982	95% LCL of Slope (0.025)				-0.121							
4983	95% UCL of Slope (0.975)				0.0919							
4984												
4985	Insufficient evidence to identify a significant											
4986	trend at the specified level of significance.											
4987												
4988	Theil-Sen Trend Test Estimates and Residuals											
4989	#	Events	Values	Estimates	Residuals							
4990	1	43270	1200	1400	-200							
4991	2	43795	1400	1400	0							
4992	3	43896	1600	1400	200							
4993	4	43977	1400	1400	0							
4994	5	44069	1500	1400	100							
4995	6	44155	1500	1400	100							
4996	7	44256	1600	1400	200							
4997	8	44336	1300	1400	-100							
4998	9	44447	1400	1400	0							
4999	10	44518	1200	1400	-200							
5000	11	44620	1300	1400	-100							
5001	12	44701	1300	1400	-100							
5002	13	44795	1800	1400	400							
5003	14	44887	1500	1400	100							
5004	15	44981	1400	1400	0							
5005	16	45064	1500	1400	100							
5006	17	45162	1200	1400	-200							
5007	18	45258	1400	1400	0							
5008	19	45345	1300	1400	-100							
5009	20	45446	1700	1400	300							
5010	21	45538	1200	1400	-200							
5011	22	45621	1500	1400	100							
5012	23	45720	1400	1400	0							

	A	B	C	D	E	F	G	H	I	J	K	L
1				Theil-Sen Trend Test Analysis								
2	User Selected Options											
3	Date/Time of Computation			ProUCL 5.2 4/17/2025 2:54:16 PM								
4	From File			Input.xls								
5	Full Precision			OFF								
6	Average Replicates			Replicates at sampling events will not be averaged!								
7	Confidence Coefficient			0.95								
8	Level of Significance			0.05								
9												
10	TDS-126-12											
11												
12	General Statistics											
13	Number of Events				39							
14	Number of Values Reported (n)				39							
15	Number of Replicates				1							
16	Minimum				1120							
17	Maximum				2780							
18	Mean				2289							
19	Geometric Mean				2272							
20	Median				2270							
21	Standard Deviation				250.5							
22	Coefficient of Variation				0.109							
23												
24	Mann-Kendall Statistics											
25	M-K Test Value (S)				-292							
26	Critical Value (0.05)				-1.645							
27	Standard Deviation of S				82.6							
28	Standardized Value of S				-3.523							
29	Approximate p-value				2.1319E-4							
30												
31	Approximate inference for Theil-Sen Trend Test											
32	Number of Slopes				741							
33	Theil-Sen Slope				-0.102							
34	Theil-Sen Intercept				6776							
35	M2'				438.4							
36	One-sided 95% upper limit of Slope				-0.0542							
37	95% LCL of Slope (0.025)				-0.148							
38	95% UCL of Slope (0.975)				-0.0435							
39												
40	Statistically significant evidence of a decreasing											
41	trend at the specified level of significance.											
42												
43	Theil-Sen Trend Test Estimates and Residuals											
44	#	Events	Values	Estimates	Residuals							
45	1	42317	2460	2448	12.24							
46	2	42415	2450	2438	12.26							
47	3	42508	2310	2428	-118.2							
48	4	42600	2580	2419	161.2							
49	5	42683	2520	2410	109.7							
50	6	42786	2430	2400	30.21							
51	7	42872	2480	2391	89.01							
52	8	42957	2780	2382	397.7							
53	9	43047	2440	2373	66.9							
54	10	43140	2430	2364	66.42							
55	11	43258	2550	2352	198.5							
56	12	43327	2500	2344	155.5							
57	13	43418	2300	2335	-35.15							
58	14	43518	2270	2325	-54.92							
59	15	43599	2180	2317	-136.6							
60	16	43682	2270	2308	-38.15							
61	17	43781	2200	2298	-98.02							
62	18	43871	2100	2289	-188.8							
63	19	43965	2190	2279	-89.21							
64	20	44055	2260	2270	-10							
65	21	44055	2350	2270	80							
66	22	44145	2240	2261	-20.79							

	A	B	C	D	E	F	G	H	I	J	K	L
67	23	44236	2220	2251	-31.49							
68	24	44320	2220	2243	-22.9							
69	25	44419	2170	2233	-62.77							
70	26	44509	2120	2224	-103.6							
71	27	44616	2180	2213	-32.62							
72	28	44686	2120	2205	-85.46							
73	29	44790	2200	2195	5.174							
74	30	44873	2160	2186	-26.34							
75	31	44937	2210	2180	30.21							
76	32	45070	2110	2166	-56.19							
77	33	45165	1120	2156	-1036							
78	34	45249	2140	2148	-7.88							
79	35	45301	2210	2143	67.44							
80	36	45421	2500	2130	369.7							
81	37	45520	2400	2120	279.8							
82	38	45622	2500	2110	390.3							
83	39	45691	2400	2103	297.3							
84	TDS-126-13											
85												
86	General Statistics											
87	Number of Events				38							
88	Number of Values Reported (n)				38							
89	Number of Replicates				0							
90	Minimum				645							
91	Maximum				3920							
92	Mean				3210							
93	Geometric Mean				3115							
94	Median				3310							
95	Standard Deviation				576.6							
96	Coefficient of Variation				0.18							
97												
98	Mann-Kendall Statistics											
99	M-K Test Value (S)				-62							
100	Critical Value (0.05)				-1.645							
101	Standard Deviation of S				79.5							
102	Standardized Value of S				-0.767							
103	Approximate p-value				0.221							
104												
105	Approximate inference for Theil-Sen Trend Test											
106	Number of Slopes				703							
107	Theil-Sen Slope				-0.0513							
108	Theil-Sen Intercept				5567							
109	M1				273.6							
110	M2				429.4							
111	95% LCL of Slope (0.025)				-0.225							
112	95% UCL of Slope (0.975)				0.0757							
113												
114	Insufficient evidence to identify a significant											
115	trend at the specified level of significance.											
116												
117	Theil-Sen Trend Test Estimates and Residuals											
118	#	Events	Values	Estimates	Residuals							
119	1	42317	2850	3397	-546.8							
120	2	42415	2960	3392	-431.8							
121	3	42508	3000	3387	-387							
122	4	42600	3090	3382	-292.3							
123	5	42683	3090	3378	-288							
124	6	42783	3920	3373	547.1							
125	7	42872	3180	3368	-188.3							
126	8	42957	3080	3364	-284							
127	9	43047	2810	3359	-549.4							
128	10	43140	3330	3355	-24.59							
129	11	43238	3250	3350	-99.56							
130	12	43327	3670	3345	325							
131	13	43418	3420	3340	79.67							
132	14	43518	3620	3335	284.8							

	A	B	C	D	E	F	G	H	I	J	K	L
133	15	43599	3570	3331	238.9							
134	16	43682	3790	3327	463.2							
135	17	43781	3730	3322	408.3							
136	18	43868	3640	3317	322.7							
137	19	43964	3860	3312	547.7							
138	20	44055	3520	3308	212.3							
139	21	44145	3390	3303	86.95							
140	22	44236	3440	3298	141.6							
141	23	44320	3420	3294	125.9							
142	24	44419	3360	3289	71							
143	25	44509	3320	3284	35.62							
144	26	44616	3380	3279	101.1							
145	27	44686	3330	3275	54.69							
146	28	44790	3210	3270	-59.97							
147	29	44873	3210	3266	-55.72							
148	30	44937	1600	3262	-1662							
149	31	45070	3160	3256	-95.62							
150	32	45165	645	3251	-2606							
151	33	45249	3110	3246	-136.4							
152	34	45301	3320	3244	76.23							
153	35	45421	3300	3238	62.38							
154	36	45520	3100	3233	-132.5							
155	37	45622	3000	3227	-227.3							
156	38	45691	3300	3224	76.23							
157	TDS-257-01											
158												
159	General Statistics											
160	Number of Events				38							
161	Number of Values Reported (n)				38							
162	Number of Replicates				0							
163	Minimum				3400							
164	Maximum				4110							
165	Mean				3677							
166	Geometric Mean				3674							
167	Median				3640							
168	Standard Deviation				159.2							
169	Coefficient of Variation				0.0433							
170												
171	Mann-Kendall Statistics											
172	M-K Test Value (S)				-238							
173	Critical Value (0.05)				-1.645							
174	Standard Deviation of S				79.43							
175	Standardized Value of S				-2.984							
176	Approximate p-value				0.00142							
177												
178	Approximate inference for Theil-Sen Trend Test											
179	Number of Slopes				703							
180	Theil-Sen Slope				-0.0674							
181	Theil-Sen Intercept				6607							
182	M2'				416.8							
183	One-sided 95% upper limit of Slope				-0.0277							
184	95% LCL of Slope (0.025)				-0.115							
185	95% UCL of Slope (0.975)				-0.0229							
186												
187	Statistically significant evidence of a decreasing											
188	trend at the specified level of significance.											
189												
190	Theil-Sen Trend Test Estimates and Residuals											
191	#	Events	Values	Estimates	Residuals							
192	1	42327	3680	3754	-74.27							
193	2	42422	3650	3748	-97.87							
194	3	42516	3700	3742	-41.53							
195	4	42607	3620	3735	-115.4							
196	5	42690	3940	3730	210.2							
197	6	42796	3860	3723	137.3							
198	7	42886	3570	3717	-146.6							

	A	B	C	D	E	F	G	H	I	J	K	L
199	8	42965	3620	3711	-91.27							
200	9	43055	3740	3705	34.79							
201	10	43151	3820	3699	121.3							
202	11	43243	4020	3693	327.5							
203	12	43335	3890	3686	203.7							
204	13	43431	3780	3680	100.1							
205	14	43525	3620	3674	-53.53							
206	15	43606	3800	3668	131.9							
207	16	43683	3740	3663	77.12							
208	17	43790	3720	3656	64.33							
209	18	43879	3640	3650	-9.671							
210	19	43977	3640	3643	-3.067							
211	20	44068	4110	3637	473.1							
212	21	44155	3610	3631	-21.07							
213	22	44252	3620	3625	-4.532							
214	23	44336	3640	3619	21.13							
215	24	44447	3560	3611	-51.39							
216	25	44517	3500	3607	-106.7							
217	26	44620	3400	3600	-199.7							
218	27	44700	3700	3594	105.7							
219	28	44792	3570	3588	-18.14							
220	29	44887	3440	3582	-141.7							
221	30	44981	3460	3575	-115.4							
222	31	45063	3610	3570	40.13							
223	32	45162	3540	3563	-23.2							
224	33	45258	3590	3557	33.27							
225	34	45345	3520	3551	-30.87							
226	35	45446	3900	3544	355.9							
227	36	45538	3800	3538	262.1							
228	37	45618	3500	3532	-32.47							
229	38	45719	3600	3526	74.34							
230	TDS-257-02											
231												
232	General Statistics											
233	Number of Events				38							
234	Number of Values Reported (n)				38							
235	Number of Replicates				0							
236	Minimum				1370							
237	Maximum				3600							
238	Mean				2649							
239	Geometric Mean				2624							
240	Median				2640							
241	Standard Deviation				341.7							
242	Coefficient of Variation				0.129							
243												
244	Mann-Kendall Statistics											
245	M-K Test Value (S)				-25							
246	Critical Value (0.05)				-1.645							
247	Standard Deviation of S				79.42							
248	Standardized Value of S				-0.302							
249	Approximate p-value				0.381							
250												
251	Approximate inference for Theil-Sen Trend Test											
252	Number of Slopes				703							
253	Theil-Sen Slope				-0.00781							
254	Theil-Sen Intercept				2984							
255	M1				273.7							
256	M2				429.3							
257	95% LCL of Slope (0.025)				-0.1							
258	95% UCL of Slope (0.975)				0.0685							
259												
260	Insufficient evidence to identify a significant											
261	trend at the specified level of significance.											
262												
263	Theil-Sen Trend Test Estimates and Residuals											
264	#	Events	Values	Estimates	Residuals							

	A	B	C	D	E	F	G	H	I	J	K	L
265	1	42327	2890	2653	236.8							
266	2	42422	1920	2653	-732.5							
267	3	42516	2480	2652	-171.8							
268	4	42607	2940	2651	288.9							
269	5	42690	3090	2650	439.6							
270	6	42796	2760	2650	110.4							
271	7	42886	2520	2649	-128.9							
272	8	42965	2890	2648	241.7							
273	9	43055	2430	2648	-217.6							
274	10	43151	2640	2647	-6.813							
275	11	43243	2530	2646	-116.1							
276	12	43335	2640	2645	-5.375							
277	13	43431	2680	2645	35.38							
278	14	43525	2570	2644	-73.89							
279	15	43606	2480	2643	-163.3							
280	16	43683	2590	2643	-52.66							
281	17	43790	2690	2642	48.18							
282	18	43879	2680	2641	38.88							
283	19	43977	2810	2640	169.6							
284	20	44069	2930	2640	290.4							
285	21	44155	2930	2639	291							
286	22	44256	2940	2638	301.8							
287	23	44335	2950	2638	312.4							
288	24	44447	2280	2637	-356.7							
289	25	44518	3600	2636	963.9							
290	26	44620	2440	2635	-195.3							
291	27	44700	2760	2635	125.3							
292	28	44792	1370	2634	-1264							
293	29	44887	2780	2633	146.8							
294	30	44981	2860	2633	227.5							
295	31	45064	2680	2632	48.13							
296	32	45162	2470	2631	-161.1							
297	33	45258	2530	2630	-100.4							
298	34	45345	2600	2630	-29.67							
299	35	45446	2500	2629	-128.9							
300	36	45538	2600	2628	-28.16							
301	37	45621	2600	2628	-27.52							
302	38	45719	2600	2627	-26.75							
303	TDS-340-01											
304												
305	General Statistics											
306	Number of Events				38							
307	Number of Values Reported (n)				38							
308	Number of Replicates				0							
309	Minimum				2700							
310	Maximum				3400							
311	Mean				2926							
312	Geometric Mean				2924							
313	Median				2920							
314	Standard Deviation				122.7							
315	Coefficient of Variation				0.0419							
316												
317	Mann-Kendall Statistics											
318	M-K Test Value (S)				100							
319	Critical Value (0.05)				1.645							
320	Standard Deviation of S				79.4							
321	Standardized Value of S				1.247							
322	Approximate p-value				0.106							
323												
324	Approximate inference for Theil-Sen Trend Test											
325	Number of Slopes				703							
326	Theil-Sen Slope				0.0217							
327	Theil-Sen Intercept				1965							
328	M1				273.7							
329	M2				429.3							
330	95% LCL of Slope (0.025)				-0.016							

	A	B	C	D	E	F	G	H	I	J	K	L
331	95% UCL of Slope (0.975)				0.0584							
332												
333	Insufficient evidence to identify a significant											
334	trend at the specified level of significance.											
335												
336	Theil-Sen Trend Test Estimates and Residuals											
337	#	Events	Values	Estimates	Residuals							
338	1	42317	2820	2883	-63.26							
339	2	42411	3080	2885	194.7							
340	3	42508	2980	2887	92.59							
341	4	42605	3050	2890	160.5							
342	5	42684	2820	2891	-71.23							
343	6	42782	2820	2893	-73.35							
344	7	42873	2890	2895	-5.325							
345	8	42958	2830	2897	-67.17							
346	9	43047	2920	2899	20.9							
347	10	43143	2870	2901	-31.18							
348	11	43241	2700	2903	-203.3							
349	12	43326	2830	2905	-75.15							
350	13	43419	2880	2907	-27.17							
351	14	43521	3020	2909	110.6							
352	15	43599	2990	2911	78.93							
353	16	43683	2830	2913	-82.9							
354	17	43781	2920	2915	4.978							
355	18	43868	2850	2917	-66.91							
356	19	43965	2950	2919	30.99							
357	20	44056	2950	2921	29.01							
358	21	44146	2940	2923	17.06							
359	22	44242	2930	2925	4.978							
360	23	44322	2900	2927	-26.76							
361	24	44417	2940	2929	11.18							
362	25	44504	2980	2931	49.3							
363	26	44606	2950	2933	17.08							
364	27	44686	2990	2935	55.35							
365	28	44861	2970	2938	31.55							
366	29	44873	2940	2939	1.291							
367	30	44965	2840	2941	-100.7							
368	31	45051	2870	2943	-72.57							
369	32	45146	2870	2945	-74.63							
370	33	45238	2740	2947	-206.6							
371	34	45331	3140	2949	191.4							
372	35	45425	2800	2951	-150.7							
373	36	45523	3100	2953	147.2							
374	37	45607	2900	2955	-54.63							
375	38	45706	3400	2957	443.2							
376	TDS-42-02											
377												
378	General Statistics											
379	Number of Events				38							
380	Number of Values Reported (n)				38							
381	Number of Replicates				0							
382	Minimum				2400							
383	Maximum				3090							
384	Mean				2698							
385	Geometric Mean				2694							
386	Median				2700							
387	Standard Deviation				158.1							
388	Coefficient of Variation				0.0586							
389												
390	Mann-Kendall Statistics											
391	M-K Test Value (S)				96							
392	Critical Value (0.05)				1.645							
393	Standard Deviation of S				79.46							
394	Standardized Value of S				1.195							
395	Approximate p-value				0.116							
396												

	A	B	C	D	E	F	G	H	I	J	K	L
397	Approximate inference for Theil-Sen Trend Test											
398	Number of Slopes				703							
399	Theil-Sen Slope				0.0336							
400	Theil-Sen Intercept				1222							
401	M1				273.6							
402	M2				429.4							
403	95% LCL of Slope (0.025)				-0.0188							
404	95% UCL of Slope (0.975)				0.0774							
405												
406	Insufficient evidence to identify a significant											
407	trend at the specified level of significance.											
408												
409	Theil-Sen Trend Test Estimates and Residuals											
410	#	Events	Values	Estimates	Residuals							
411	1	42339	2420	2644	-223.6							
412	2	42423	2560	2646	-86.47							
413	3	42522	2580	2650	-69.79							
414	4	42613	2700	2653	47.15							
415	5	42702	2760	2656	104.2							
416	6	42800	2650	2659	-9.127							
417	7	42888	2730	2662	67.92							
418	8	42969	2630	2665	-34.8							
419	9	43070	2510	2668	-158.2							
420	10	43152	2960	2671	289.1							
421	11	43249	3050	2674	375.8							
422	12	43334	2600	2677	-77.06							
423	13	43438	3090	2681	409.4							
424	14	43530	2750	2684	66.36							
425	15	43614	2750	2686	63.53							
426	16	43693	2440	2689	-249.1							
427	17	43791	2620	2692	-72.41							
428	18	43872	2680	2695	-15.13							
429	19	43973	2570	2699	-128.5							
430	20	44061	2400	2701	-301.5							
431	21	44151	2800	2705	95.5							
432	22	44245	2860	2708	152.3							
433	23	44327	2720	2710	9.589							
434	24	44419	2660	2714	-53.5							
435	25	44509	2710	2717	-6.524							
436	26	44608	2850	2720	130.2							
437	27	44692	2740	2723	17.33							
438	28	44784	2620	2726	-105.8							
439	29	44875	2660	2729	-68.82							
440	30	44970	2830	2732	97.99							
441	31	45056	2710	2735	-24.9							
442	32	45152	2450	2738	-288.1							
443	33	45246	2570	2741	-171.3							
444	34	45336	2800	2744	55.7							
445	35	45429	2900	2747	152.6							
446	36	45526	2700	2751	-50.68							
447	37	45610	2700	2754	-53.5							
448	38	45712	2800	2757	43.07							
449	TDS-42-03											
450												
451	General Statistics											
452	Number of Events				38							
453	Number of Values Reported (n)				38							
454	Number of Replicates				0							
455	Minimum				3100							
456	Maximum				3740							
457	Mean				3364							
458	Geometric Mean				3359							
459	Median				3340							
460	Standard Deviation				181.9							
461	Coefficient of Variation				0.0541							
462												

	A	B	C	D	E	F	G	H	I	J	K	L
463	Mann-Kendall Statistics											
464	M-K Test Value (S)				-522							
465	Critical Value (0.05)				-1.645							
466	Standard Deviation of S				79.45							
467	Standardized Value of S				-6.558							
468	Approximate p-value				2.731E-11							
469												
470	Approximate inference for Theil-Sen Trend Test											
471	Number of Slopes				703							
472	Theil-Sen Slope				-0.164							
473	Theil-Sen Intercept				10578							
474	M2'				416.8							
475	One-sided 95% upper limit of Slope				-0.134							
476	95% LCL of Slope (0.025)				-0.196							
477	95% UCL of Slope (0.975)				-0.128							
478												
479	Statistically significant evidence of a decreasing											
480	trend at the specified level of significance.											
481												
482	Theil-Sen Trend Test Estimates and Residuals											
483	#	Events	Values	Estimates	Residuals							
484	1	42339	3380	3616	-235.8							
485	2	42423	3740	3602	138							
486	3	42522	3680	3586	94.31							
487	4	42613	3400	3571	-170.7							
488	5	42702	3730	3556	173.9							
489	6	42800	3690	3540	150							
490	7	42888	3630	3525	104.5							
491	8	42970	3540	3512	27.99							
492	9	43070	3350	3496	-145.6							
493	10	43152	3570	3482	87.92							
494	11	43249	3590	3466	123.9							
495	12	43334	3530	3452	77.85							
496	13	43438	3550	3435	114.9							
497	14	43530	3390	3420	-29.92							
498	15	43615	3380	3406	-25.94							
499	16	43693	3420	3393	26.88							
500	17	43791	3380	3377	2.999							
501	18	43872	3370	3364	6.319							
502	19	43971	3300	3347	-47.4							
503	20	44061	3340	3333	7.4							
504	21	44151	3340	3318	22.2							
505	22	44244	3210	3303	-92.51							
506	23	44327	3230	3289	-58.86							
507	24	44418	3220	3274	-53.89							
508	25	44508	3240	3259	-19.09							
509	26	44608	3240	3243	-2.647							
510	27	44691	3280	3229	51							
511	28	44783	3290	3214	76.13							
512	29	44874	3230	3199	31.1							
513	30	44967	3230	3184	46.39							
514	31	45055	3160	3169	-9.139							
515	32	45149	3160	3154	6.319							
516	33	45246	3170	3138	32.27							
517	34	45335	3160	3123	36.91							
518	35	45429	3300	3108	192.4							
519	36	45525	3200	3092	108.2							
520	37	45609	3100	3078	21.97							
521	38	45709	3100	3062	38.41							
522	TDS-42-06											
523												
524	General Statistics											
525	Number of Events				38							
526	Number of Values Reported (n)				38							
527	Number of Replicates				0							
528	Minimum				1900							

	A	B	C	D	E	F	G	H	I	J	K	L
529	Maximum				3800							
530	Mean				2657							
531	Geometric Mean				2603							
532	Median				2530							
533	Standard Deviation				553.5							
534	Coefficient of Variation				0.208							
535												
536	Mann-Kendall Statistics											
537	M-K Test Value (S)				29							
538	Critical Value (0.05)				1.645							
539	Standard Deviation of S				79.5							
540	Standardized Value of S				0.352							
541	Approximate p-value				0.362							
542												
543	Approximate inference for Theil-Sen Trend Test											
544	Number of Slopes				703							
545	Theil-Sen Slope				0.0367							
546	Theil-Sen Intercept				915.9							
547	M1				273.6							
548	M2				429.4							
549	95% LCL of Slope (0.025)				-0.179							
550	95% UCL of Slope (0.975)				0.374							
551												
552	Insufficient evidence to identify a significant											
553	trend at the specified level of significance.											
554												
555	Theil-Sen Trend Test Estimates and Residuals											
556	#	Events	Values	Estimates	Residuals							
557	1	42339	2220	2468	-248.5							
558	2	42423	2050	2472	-421.5							
559	3	42522	2250	2475	-225.2							
560	4	42613	1970	2479	-508.5							
561	5	42702	2100	2482	-381.8							
562	6	42800	2180	2485	-305.4							
563	7	42888	2340	2489	-148.6							
564	8	42969	2250	2492	-241.6							
565	9	43070	2350	2495	-145.3							
566	10	43152	2920	2498	421.7							
567	11	43249	3060	2502	558.2							
568	12	43334	2850	2505	345							
569	13	43438	2690	2509	181.2							
570	14	43530	2810	2512	297.9							
571	15	43615	2540	2515	24.74							
572	16	43693	2740	2518	221.9							
573	17	43791	2760	2522	238.3							
574	18	43873	2850	2525	325.3							
575	19	43973	3480	2528	951.6							
576	20	44061	3030	2532	498.4							
577	21	44151	3260	2535	725.1							
578	22	44245	3800	2538	1262							
579	23	44327	3710	2541	1169							
580	24	44419	3500	2545	955.3							
581	25	44508	3620	2548	1072							
582	26	44609	3510	2552	958.3							
583	27	44691	3420	2555	865.3							
584	28	44783	2520	2558	-38.09							
585	29	44874	2400	2561	-161.4							
586	30	44967	2530	2565	-34.84							
587	31	45055	2530	2568	-38.06							
588	32	45149	2170	2572	-401.5							
589	33	45246	2090	2575	-485.1							
590	34	45335	2150	2578	-428.3							
591	35	45429	2200	2582	-381.8							
592	36	45525	2100	2585	-485.3							
593	37	45609	1900	2588	-688.4							
594	38	45709	2100	2592	-492							

	A	B	C	D	E	F	G	H	I	J	K	L
595	TDS-42-08											
596												
597	General Statistics											
598	Number of Events				35							
599	Number of Values Reported (n)				35							
600	Number of Replicates				0							
601	Minimum				1030							
602	Maximum				2600							
603	Mean				1756							
604	Geometric Mean				1705							
605	Median				1780							
606	Standard Deviation				428.6							
607	Coefficient of Variation				0.244							
608												
609	Mann-Kendall Statistics											
610	M-K Test Value (S)				380							
611	Critical Value (0.05)				1.645							
612	Standard Deviation of S				70.37							
613	Standardized Value of S				5.386							
614	Approximate p-value				3.5992E-8							
615												
616	Approximate inference for Theil-Sen Trend Test											
617	Number of Slopes				595							
618	Theil-Sen Slope				0.364							
619	Theil-Sen Intercept				-14293							
620	M1'				239.6							
621	One-sided 95% lower limit of Slope				0.293							
622	95% LCL of Slope (0.025)				0.281							
623	95% UCL of Slope (0.975)				0.461							
624												
625	Statistically significant evidence of an increasing											
626	trend at the specified level of significance.											
627												
628	Theil-Sen Trend Test Estimates and Residuals											
629	#	Events	Values	Estimates	Residuals							
630	1	42613	1300	1220	79.92							
631	2	42702	1160	1252	-92.48							
632	3	42800	1200	1288	-88.16							
633	4	42888	1030	1320	-290.2							
634	5	42969	1580	1350	230.3							
635	6	43071	1160	1387	-226.8							
636	7	43152	1290	1416	-126.3							
637	8	43249	1200	1452	-251.6							
638	9	43334	1700	1483	217.4							
639	10	43438	1280	1520	-240.4							
640	11	43530	1310	1554	-243.9							
641	12	43614	1410	1585	-174.5							
642	13	43693	1920	1613	306.7							
643	14	43791	2000	1649	351.1							
644	15	43873	1830	1679	151.2							
645	16	43973	1780	1715	64.8							
646	17	44061	2290	1747	542.8							
647	18	44151	1680	1780	-100							
648	19	44245	1730	1814	-84.22							
649	20	44327	1460	1844	-384.1							
650	21	44419	1700	1878	-177.6							
651	22	44509	1640	1910	-270.3							
652	23	44609	1830	1947	-116.7							
653	24	44692	1800	1977	-177							
654	25	44783	2090	2010	79.92							
655	26	44874	2160	2043	116.8							
656	27	44970	1860	2078	-218.2							
657	28	45056	2600	2109	490.5							
658	29	45152	1860	2144	-284.4							
659	30	45246	2540	2179	361.4							
660	31	45335	2180	2211	-31.04							

	A	B	C	D	E	F	G	H	I	J	K	L
661	32	45429	2200	2245	-45.26							
662	33	45526	2600	2281	319.4							
663	34	45609	2000	2311	-310.8							
664	35	45709	2100	2347	-247.2							
665	TDS-42-10											
666												
667	General Statistics											
668	Number of Events				37							
669	Number of Values Reported (n)				37							
670	Number of Replicates				0							
671	Minimum				1100							
672	Maximum				4800							
673	Mean				1604							
674	Geometric Mean				1535							
675	Median				1470							
676	Standard Deviation				635.3							
677	Coefficient of Variation				0.396							
678												
679	Mann-Kendall Statistics											
680	M-K Test Value (S)				332							
681	Critical Value (0.05)				1.645							
682	Standard Deviation of S				76.32							
683	Standardized Value of S				4.337							
684	Approximate p-value				7.2292E-6							
685												
686	Approximate inference for Theil-Sen Trend Test											
687	Number of Slopes				666							
688	Theil-Sen Slope				0.11							
689	Theil-Sen Intercept				-3384							
690	M1'				270.2							
691	One-sided 95% lower limit of Slope				0.075							
692	95% LCL of Slope (0.025)				0.0695							
693	95% UCL of Slope (0.975)				0.15							
694												
695	Statistically significant evidence of an increasing											
696	trend at the specified level of significance.											
697												
698	Theil-Sen Trend Test Estimates and Residuals											
699	#	Events	Values	Estimates	Residuals							
700	1	42339	1300	1290	10.36							
701	2	42423	1460	1299	161.1							
702	3	42522	1520	1310	210.2							
703	4	42614	1370	1320	50.01							
704	5	42703	1380	1330	50.18							
705	6	42800	1270	1341	-70.52							
706	7	42888	1300	1350	-50.24							
707	8	42970	1350	1359	-9.288							
708	9	43073	1300	1371	-70.66							
709	10	43150	1390	1379	10.84							
710	11	43250	1360	1390	-30.19							
711	12	43334	1390	1399	-9.467							
712	13	43438	1410	1411	-0.946							
713	14	43530	1410	1421	-11.1							
714	15	43615	1470	1430	39.52							
715	16	43696	1540	1439	100.6							
716	17	43794	1550	1450	99.76							
717	18	43873	1490	1459	31.04							
718	19	43973	1540	1470	70							
719	20	44062	1440	1480	-39.82							
720	21	44148	1460	1489	-29.32							
721	22	44244	1470	1500	-29.91							
722	23	44328	1490	1509	-19.19							
723	24	44420	1520	1519	0.66							
724	25	44509	1540	1529	10.84							
725	26	44607	1590	1540	50.02							
726	27	44692	1610	1549	60.64							

	A	B	C	D	E	F	G	H	I	J	K	L
727	28	44784	1470	1560	-89.52							
728	29	44875	1630	1570	60.44							
729	30	44971	1610	1580	29.84							
730	31	45057	1610	1590	20.35							
731	32	45154	1510	1600	-90.36							
732	33	45336	2680	1620	1060							
733	34	45427	1100	1630	-530.5							
734	35	45526	4800	1641	3159							
735	36	45610	2900	1651	1249							
736	37	45708	1100	1662	-561.5							
737	TDS-42-11											
738												
739	General Statistics											
740	Number of Events				37							
741	Number of Values Reported (n)				37							
742	Number of Replicates				0							
743	Minimum				1040							
744	Maximum				4400							
745	Mean				1400							
746	Geometric Mean				1329							
747	Median				1200							
748	Standard Deviation				616.9							
749	Coefficient of Variation				0.441							
750												
751	Mann-Kendall Statistics											
752	M-K Test Value (S)				369							
753	Critical Value (0.05)				1.645							
754	Standard Deviation of S				76.26							
755	Standardized Value of S				4.825							
756	Approximate p-value				6.9901E-7							
757												
758	Approximate inference for Theil-Sen Trend Test											
759	Number of Slopes				666							
760	Theil-Sen Slope				0.122							
761	Theil-Sen Intercept				-4164							
762	M1'				270.3							
763	One-sided 95% lower limit of Slope				0.0894							
764	95% LCL of Slope (0.025)				0.0847							
765	95% UCL of Slope (0.975)				0.16							
766												
767	Statistically significant evidence of an increasing trend at the specified level of significance.											
768												
769												
770	Theil-Sen Trend Test Estimates and Residuals											
771	#	Events	Values	Estimates	Residuals							
772	1	42339	1160	1001	159.3							
773	2	42423	1190	1011	179.1							
774	3	42522	1190	1023	167							
775	4	42614	1180	1034	145.8							
776	5	42703	1120	1045	74.92							
777	6	42797	1140	1057	83.46							
778	7	42888	1090	1068	22.36							
779	8	42970	1100	1078	22.35							
780	9	43073	1040	1090	-50.21							
781	10	43150	1200	1100	100.4							
782	11	43250	1160	1112	48.2							
783	12	43334	1190	1122	67.95							
784	13	43438	1160	1135	25.26							
785	14	43530	1160	1146	14.04							
786	15	43615	1180	1156	23.67							
787	16	43696	1200	1166	33.79							
788	17	43794	1200	1178	21.84							
789	18	43873	1220	1188	32.2							
790	19	43973	1200	1200	0							
791	20	44062	1250	1211	39.14							
792	21	44148	1310	1221	88.65							

	A	B	C	D	E	F	G	H	I	J	K	L
793	22	44244	1350	1233	116.9							
794	23	44328	1390	1243	146.7							
795	24	44420	1350	1255	95.47							
796	25	44509	1400	1265	134.6							
797	26	44609	1410	1278	132.4							
798	27	44692	1390	1288	102.3							
799	28	44784	1390	1299	91.07							
800	29	44875	1380	1310	69.97							
801	30	44971	1370	1322	48.26							
802	31	45056	1420	1332	87.89							
803	32	45152	1310	1344	-33.82							
804	33	45245	1120	1355	-235.2							
805	34	45336	2790	1366	1424							
806	35	45427	1100	1377	-277.4							
807	36	45526	4400	1389	3011							
808	37	45610	2600	1400	1200							
809	TDS-42-12											
810												
811	General Statistics											
812	Number of Events				37							
813	Number of Values Reported (n)				37							
814	Number of Replicates				0							
815	Minimum				1000							
816	Maximum				4500							
817	Mean				1265							
818	Geometric Mean				1201							
819	Median				1140							
820	Standard Deviation				607.6							
821	Coefficient of Variation				0.48							
822												
823	Mann-Kendall Statistics											
824	M-K Test Value (S)				-322							
825	Critical Value (0.05)				-1.645							
826	Standard Deviation of S				76.26							
827	Standardized Value of S				-4.209							
828	Approximate p-value				1.2804E-5							
829												
830	Approximate inference for Theil-Sen Trend Test											
831	Number of Slopes				666							
832	Theil-Sen Slope				-0.0551							
833	Theil-Sen Intercept				3564							
834	M2'				395.7							
835	One-sided 95% upper limit of Slope				-0.0382							
836	95% LCL of Slope (0.025)				-0.0696							
837	95% UCL of Slope (0.975)				-0.0367							
838												
839	Statistically significant evidence of a decreasing											
840	trend at the specified level of significance.											
841												
842	Theil-Sen Trend Test Estimates and Residuals											
843	#	Events	Values	Estimates	Residuals							
844	1	42339	1140	1230	-90.07							
845	2	42423	1140	1225	-85.44							
846	3	42522	1250	1220	30.02							
847	4	42614	1210	1215	-4.911							
848	5	42703	1200	1210	-10.01							
849	6	42800	1210	1205	5.341							
850	7	42888	1170	1200	-29.81							
851	8	42970	1170	1195	-25.29							
852	9	43073	1030	1190	-159.6							
853	10	43150	1240	1185	54.63							
854	11	43250	1200	1180	20.15							
855	12	43334	1190	1175	14.78							
856	13	43438	1190	1169	20.51							
857	14	43530	1190	1164	25.58							
858	15	43615	1180	1160	20.27							

	A	B	C	D	E	F	G	H	I	J	K	L
859	16	43696	1170	1155	14.73							
860	17	43794	1170	1150	20.13							
861	18	43873	1160	1146	14.49							
862	19	43973	1130	1140	-10							
863	20	44062	1130	1135	-5.094							
864	21	44148	1100	1130	-30.35							
865	22	44244	1090	1125	-35.06							
866	23	44328	1120	1120	-0.432							
867	24	44420	1110	1115	-5.36							
868	25	44509	1080	1110	-30.45							
869	26	44609	1090	1105	-14.94							
870	27	44692	1080	1100	-20.37							
871	28	44784	1070	1095	-25.3							
872	29	44875	1090	1090	-0.28							
873	30	44971	1080	1085	-4.988							
874	31	45057	1010	1080	-70.25							
875	32	45154	1030	1075	-44.9							
876	33	45336	1080	1065	15.13							
877	34	45427	1100	1060	40.15							
878	35	45526	4500	1054	3446							
879	36	45610	2700	1050	1650							
880	37	45708	1000	1044	-44.36							
881	TDS-42-13											
882												
883	General Statistics											
884	Number of Events				29							
885	Number of Values Reported (n)				29							
886	Number of Replicates				0							
887	Minimum				3000							
888	Maximum				3710							
889	Mean				3351							
890	Geometric Mean				3347							
891	Median				3330							
892	Standard Deviation				176.3							
893	Coefficient of Variation				0.0526							
894												
895	Mann-Kendall Statistics											
896	M-K Test Value (S)				-240							
897	Critical Value (0.05)				-1.645							
898	Standard Deviation of S				53.25							
899	Standardized Value of S				-4.488							
900	Approximate p-value				3.5873E-6							
901												
902	Approximate inference for Theil-Sen Trend Test											
903	Number of Slopes				406							
904	Theil-Sen Slope				-0.149							
905	Theil-Sen Intercept				9958							
906	M2'				246.8							
907	One-sided 95% upper limit of Slope				-0.119							
908	95% LCL of Slope (0.025)				-0.211							
909	95% UCL of Slope (0.975)				-0.11							
910												
911	Statistically significant evidence of a decreasing											
912	trend at the specified level of significance.											
913												
914	Theil-Sen Trend Test Estimates and Residuals											
915	#	Events	Values	Estimates	Residuals							
916	1	42702	3340	3586	-246.2							
917	2	42800	3410	3572	-161.6							
918	3	43070	3240	3531	-291.3							
919	4	43152	3540	3519	20.94							
920	5	43249	3590	3505	85.42							
921	6	43334	3470	3492	-21.9							
922	7	43530	3510	3463	47.35							
923	8	43791	3570	3424	146.3							
924	9	43872	3520	3412	108.4							

	A	B	C	D	E	F	G	H	I	J	K	L
925	10	43973	3390	3397	-6.55							
926	11	44061	3710	3383	326.6							
927	12	44151	3670	3370	300							
928	13	44244	3510	3356	153.9							
929	14	44327	3340	3344	-3.728							
930	15	44419	3330	3330	0							
931	16	44508	3310	3317	-6.72							
932	17	44608	3330	3302	28.2							
933	18	44691	3380	3289	90.59							
934	19	44783	3290	3276	14.31							
935	20	44874	3270	3262	7.893							
936	21	44967	3250	3248	1.77							
937	22	45055	3060	3235	-175.1							
938	23	45149	3230	3221	8.927							
939	24	45246	3150	3207	-56.6							
940	25	45335	3170	3193	-23.32							
941	26	45429	3200	3179	20.71							
942	27	45525	3200	3165	35.03							
943	28	45609	3200	3152	47.57							
944	29	45709	3000	3138	-137.5							
945	TDS-624-01											
946												
947	General Statistics											
948	Number of Events				38							
949	Number of Values Reported (n)				38							
950	Number of Replicates				0							
951	Minimum				1910							
952	Maximum				3700							
953	Mean				2662							
954	Geometric Mean				2625							
955	Median				2725							
956	Standard Deviation				445.2							
957	Coefficient of Variation				0.167							
958												
959	Mann-Kendall Statistics											
960	M-K Test Value (S)				-37							
961	Critical Value (0.05)				-1.645							
962	Standard Deviation of S				79.53							
963	Standardized Value of S				-0.453							
964	Approximate p-value				0.325							
965												
966	Approximate inference for Theil-Sen Trend Test											
967	Number of Slopes				703							
968	Theil-Sen Slope				-0.039							
969	Theil-Sen Intercept				4440							
970	M1				273.6							
971	M2				429.4							
972	95% LCL of Slope (0.025)				-0.188							
973	95% UCL of Slope (0.975)				0.161							
974												
975	Insufficient evidence to identify a significant											
976	trend at the specified level of significance.											
977												
978	Theil-Sen Trend Test Estimates and Residuals											
979	#	Events	Values	Estimates	Residuals							
980	1	42318	2440	2791	-351							
981	2	42416	2480	2787	-307.2							
982	3	42509	2710	2784	-73.6							
983	4	42601	2970	2780	190							
984	5	42688	3260	2777	483.4							
985	6	42788	3210	2773	437.3							
986	7	42878	3030	2769	260.8							
987	8	42962	3080	2766	314							
988	9	43053	2750	2762	-12.41							
989	10	43145	3110	2759	351.2							
990	11	43242	3240	2755	485							

	A	B	C	D	E	F	G	H	I	J	K	L
991	12	43341	3700	2751	948.8							
992	13	43424	2180	2748	-568							
993	14	43524	3170	2744	425.9							
994	15	43605	2860	2741	119.1							
995	16	43690	2390	2738	-347.6							
996	17	43784	2190	2734	-543.9							
997	18	43873	2050	2730	-680.5							
998	19	43966	1980	2727	-746.8							
999	20	44060	1910	2723	-813.2							
1000	21	44148	1990	2720	-729.7							
1001	22	44245	1950	2716	-766							
1002	23	44330	1960	2713	-752.6							
1003	24	44435	2400	2709	-308.6							
1004	25	44510	2220	2706	-485.6							
1005	26	44610	2340	2702	-361.7							
1006	27	44693	2550	2699	-148.5							
1007	28	44785	2820	2695	125.1							
1008	29	44876	2880	2691	188.6							
1009	30	44973	2770	2688	82.41							
1010	31	45058	2680	2684	-4.281							
1011	32	45155	2750	2681	69.5							
1012	33	45240	2720	2677	42.81							
1013	34	45337	2730	2673	56.59							
1014	35	45432	2800	2670	130.3							
1015	36	45532	2700	2666	34.19							
1016	37	45611	3100	2663	437.3							
1017	38	45713	3100	2659	441.2							
1018	TDS-624-02											
1019												
1020	General Statistics											
1021	Number of Events				38							
1022	Number of Values Reported (n)				38							
1023	Number of Replicates				0							
1024	Minimum				2160							
1025	Maximum				3590							
1026	Mean				2827							
1027	Geometric Mean				2803							
1028	Median				2845							
1029	Standard Deviation				370.7							
1030	Coefficient of Variation				0.131							
1031												
1032	Mann-Kendall Statistics											
1033	M-K Test Value (S)				-76							
1034	Critical Value (0.05)				-1.645							
1035	Standard Deviation of S				79.5							
1036	Standardized Value of S				-0.943							
1037	Approximate p-value				0.173							
1038												
1039	Approximate Inference for Theil-Sen Trend Test											
1040	Number of Slopes				703							
1041	Theil-Sen Slope				-0.0499							
1042	Theil-Sen Intercept				5040							
1043	M1				273.6							
1044	M2				429.4							
1045	95% LCL of Slope (0.025)				-0.185							
1046	95% UCL of Slope (0.975)				0.0844							
1047												
1048	Insufficient evidence to identify a significant											
1049	trend at the specified level of significance.											
1050												
1051	Theil-Sen Trend Test Estimates and Residuals											
1052	#	Events	Values	Estimates	Residuals							
1053	1	42318	3290	2930	360.5							
1054	2	42416	2800	2925	-124.7							
1055	3	42509	3280	2920	360							
1056	4	42601	2590	2915	-325.4							

	A	B	C	D	E	F	G	H	I	J	K	L
1057	5	42688	2850	2911	-61.08							
1058	6	42788	3060	2906	153.9							
1059	7	42878	3590	2902	688.4							
1060	8	42962	3020	2897	122.6							
1061	9	43053	2780	2893	-112.9							
1062	10	43145	2920	2888	31.71							
1063	11	43242	3290	2883	406.5							
1064	12	43341	2160	2879	-718.5							
1065	13	43424	3010	2874	135.6							
1066	14	43524	3130	2869	260.6							
1067	15	43605	2860	2865	-5.349							
1068	16	43690	2860	2861	-1.11							
1069	17	43784	2470	2856	-386.4							
1070	18	43873	2210	2852	-642							
1071	19	43966	2300	2847	-547.3							
1072	20	44060	2350	2843	-492.7							
1073	21	44147	2300	2838	-538.3							
1074	22	44246	2320	2833	-513.4							
1075	23	44330	2710	2829	-119.2							
1076	24	44435	2160	2824	-664							
1077	25	44511	2840	2820	19.84							
1078	26	44610	3240	2815	424.8							
1079	27	44693	3430	2811	618.9							
1080	28	44785	3240	2806	433.5							
1081	29	44876	2740	2802	-61.96							
1082	30	44973	2720	2797	-77.12							
1083	31	45058	2680	2793	-112.9							
1084	32	45155	3010	2788	222							
1085	33	45240	2590	2784	-193.8							
1086	34	45337	2640	2779	-139							
1087	35	45432	3100	2774	325.8							
1088	36	45532	2700	2769	-69.24							
1089	37	45611	3200	2765	434.7							
1090	38	45713	3000	2760	239.8							
1091	TDS-624-09											
1092												
1093	General Statistics											
1094	Number of Events				21							
1095	Number of Values Reported (n)				21							
1096	Number of Replicates				0							
1097	Minimum				1020							
1098	Maximum				2820							
1099	Mean				1757							
1100	Geometric Mean				1702							
1101	Median				1800							
1102	Standard Deviation				444.3							
1103	Coefficient of Variation				0.253							
1104												
1105	Mann-Kendall Statistics											
1106	M-K Test Value (S)				-41							
1107	Tabulated p-value				0.121							
1108	Standard Deviation of S				33.1							
1109	Standardized Value of S				-1.208							
1110	Approximate p-value				0.113							
1111												
1112	Approximate inference for Theil-Sen Trend Test											
1113	Number of Slopes				210							
1114	Theil-Sen Slope				-0.202							
1115	Theil-Sen Intercept				10847							
1116	M1				72.56							
1117	M2				137.4							
1118	95% LCL of Slope (0.025)				-0.618							
1119	95% UCL of Slope (0.975)				0.113							
1120												
1121	Insufficient evidence to identify a significant											
1122	trend at the specified level of significance.											

	A	B	C	D	E	F	G	H	I	J	K	L
1123												
1124	Theil-Sen Trend Test Estimates and Residuals											
1125	#	Events	Values	Estimates	Residuals							
1126	1	43874	2130	1985	145.4							
1127	2	43965	1480	1966	-486.2							
1128	3	44060	1970	1947	22.94							
1129	4	44148	1440	1929	-489.3							
1130	5	44246	2820	1909	910.5							
1131	6	44328	2420	1893	527.1							
1132	7	44420	2070	1874	195.7							
1133	8	44510	2010	1856	153.8							
1134	9	44610	1880	1836	44.04							
1135	10	44694	1700	1819	-119							
1136	11	44788	1180	1800	-620							
1137	12	44879	1020	1782	-761.6							
1138	13	44973	1050	1763	-712.6							
1139	14	45057	1470	1746	-275.7							
1140	15	45154	1360	1726	-366.1							
1141	16	45245	1750	1708	42.31							
1142	17	45338	1940	1689	251.1							
1143	18	45433	2100	1670	430.3							
1144	19	45530	1800	1650	149.9							
1145	20	45614	1800	1633	166.9							
1146	21	45712	1500	1613	-113.4							
1147	TDS-624-10											
1148												
1149	General Statistics											
1150	Number of Events				21							
1151	Number of Values Reported (n)				21							
1152	Number of Replicates				0							
1153	Minimum				2190							
1154	Maximum				3700							
1155	Mean				2786							
1156	Geometric Mean				2761							
1157	Median				2720							
1158	Standard Deviation				383.6							
1159	Coefficient of Variation				0.138							
1160												
1161	Mann-Kendall Statistics											
1162	M-K Test Value (S)				117							
1163	Tabulated p-value				0							
1164	Standard Deviation of S				33.1							
1165	Standardized Value of S				3.504							
1166	Approximate p-value				2.2878E-4							
1167												
1168	Approximate inference for Theil-Sen Trend Test											
1169	Number of Slopes				210							
1170	Theil-Sen Slope				0.447							
1171	Theil-Sen Intercept				-17313							
1172	M1'				77.78							
1173	One-sided 95% lower limit of Slope				0.233							
1174	95% LCL of Slope (0.025)				0.18							
1175	95% UCL of Slope (0.975)				0.808							
1176												
1177	Statistically significant evidence of an increasing											
1178	trend at the specified level of significance.											
1179												
1180	Theil-Sen Trend Test Estimates and Residuals											
1181	#	Events	Values	Estimates	Residuals							
1182	1	43874	2720	2312	407.5							
1183	2	43965	2640	2353	286.8							
1184	3	44060	2700	2396	304.3							
1185	4	44148	2710	2435	274.9							
1186	5	44246	2690	2479	211.1							
1187	6	44328	2320	2516	-195.6							
1188	7	44420	2190	2557	-366.7							

	A	B	C	D	E	F	G	H	I	J	K	L
1189	8	44510	2330	2597	-267							
1190	9	44610	2200	2642	-441.7							
1191	10	44693	2420	2679	-258.8							
1192	11	44785	2690	2720	-30							
1193	12	44879	2760	2762	-2.047							
1194	13	44973	2860	2804	55.91							
1195	14	45057	3240	2842	398.3							
1196	15	45154	2990	2885	104.9							
1197	16	45245	2870	2926	-55.76							
1198	17	45338	3180	2967	212.6							
1199	18	45432	2900	3009	-109.4							
1200	19	45530	3100	3053	46.75							
1201	20	45614	3300	3091	209.2							
1202	21	45712	3700	3135	565.3							
1203	TDS-624-11											
1204												
1205	General Statistics											
1206	Number of Events				21							
1207	Number of Values Reported (n)				21							
1208	Number of Replicates				0							
1209	Minimum				3200							
1210	Maximum				4600							
1211	Mean				3698							
1212	Geometric Mean				3670							
1213	Median				3500							
1214	Standard Deviation				472.2							
1215	Coefficient of Variation				0.128							
1216												
1217	Mann-Kendall Statistics											
1218	M-K Test Value (S)				116							
1219	Tabulated p-value				0							
1220	Standard Deviation of S				33.09							
1221	Standardized Value of S				3.476							
1222	Approximate p-value				2.5465E-4							
1223												
1224	Approximate inference for Theil-Sen Trend Test											
1225	Number of Slopes				210							
1226	Theil-Sen Slope				0.653							
1227	Theil-Sen Intercept				-25761							
1228	M1'				77.79							
1229	One-sided 95% lower limit of Slope				0.376							
1230	95% LCL of Slope (0.025)				0.361							
1231	95% UCL of Slope (0.975)				0.934							
1232												
1233	Statistically significant evidence of an increasing											
1234	trend at the specified level of significance.											
1235												
1236	Theil-Sen Trend Test Estimates and Residuals											
1237	#	Events	Values	Estimates	Residuals							
1238	1	43874	3650	2905	745.2							
1239	2	43966	3510	2965	545.1							
1240	3	44060	3440	3026	413.7							
1241	4	44147	3200	3083	116.9							
1242	5	44246	3300	3148	152.2							
1243	6	44330	3330	3203	127.3							
1244	7	44435	3320	3271	48.68							
1245	8	44511	3330	3321	9.025							
1246	9	44610	3220	3386	-165.7							
1247	10	44693	3340	3440	-99.89							
1248	11	44785	3230	3500	-270							
1249	12	44876	3500	3559	-59.46							
1250	13	44974	3500	3623	-123.5							
1251	14	45058	3600	3678	-78.37							
1252	15	45155	4110	3742	368.3							
1253	16	45240	4150	3797	352.7							
1254	17	45337	4320	3861	459.3							

	A	B	C	D	E	F	G	H	I	J	K	L
1255	18	45432	4400	3923	477.3							
1256	19	45532	4100	3988	111.9							
1257	20	45611	4500	4040	460.3							
1258	21	45713	4600	4106	493.7							
1259	TDS-692-02											
1260												
1261	General Statistics											
1262	Number of Events				38							
1263	Number of Values Reported (n)				38							
1264	Number of Replicates				0							
1265	Minimum				868							
1266	Maximum				3520							
1267	Mean				1819							
1268	Geometric Mean				1626							
1269	Median				1620							
1270	Standard Deviation				876.7							
1271	Coefficient of Variation				0.482							
1272												
1273	Mann-Kendall Statistics											
1274	M-K Test Value (S)				-181							
1275	Critical Value (0.05)				-1.645							
1276	Standard Deviation of S				79.54							
1277	Standardized Value of S				-2.263							
1278	Approximate p-value				0.0118							
1279												
1280	Approximate inference for Theil-Sen Trend Test											
1281	Number of Slopes				703							
1282	Theil-Sen Slope				-0.477							
1283	Theil-Sen Intercept				22629							
1284	M2'				416.9							
1285	One-sided 95% upper limit of Slope				-0.158							
1286	95% LCL of Slope (0.025)				-0.711							
1287	95% UCL of Slope (0.975)				-0.087							
1288												
1289	Statistically significant evidence of a decreasing											
1290	trend at the specified level of significance.											
1291												
1292	Theil-Sen Trend Test Estimates and Residuals											
1293	#	Events	Values	Estimates	Residuals							
1294	1	42340	3500	2423	1077							
1295	2	42424	3480	2383	1097							
1296	3	42521	3520	2337	1183							
1297	4	42619	3340	2290	1050							
1298	5	42704	3300	2249	1051							
1299	6	42796	2250	2206	44.45							
1300	7	42891	1640	2160	-520.2							
1301	8	42970	2290	2123	167.5							
1302	9	43069	2300	2075	224.7							
1303	10	43154	2960	2035	925.3							
1304	11	43250	2770	1989	781.1							
1305	12	43335	2690	1948	741.7							
1306	13	43431	2440	1903	537.5							
1307	14	43531	2560	1855	705.2							
1308	15	43614	964	1815	-851.2							
1309	16	43692	1210	1778	-568							
1310	17	43801	890	1726	-835.9							
1311	18	43880	882	1688	-806.2							
1312	19	43977	868	1642	-774							
1313	20	44069	871	1598	-727							
1314	21	44158	879	1556	-676.6							
1315	22	44264	877	1505	-628							
1316	23	44336	892	1471	-578.6							
1317	24	44431	912	1425	-513.3							
1318	25	44519	953	1383	-430.3							
1319	26	44621	1060	1335	-274.6							
1320	27	44701	1050	1296	-246.4							

	A	B	C	D	E	F	G	H	I	J	K	L
1321	28	44795	1260	1252	8.416							
1322	29	44893	1410	1205	205.2							
1323	30	44984	1430	1161	268.6							
1324	31	45064	1590	1123	466.8							
1325	32	45163	1830	1076	754							
1326	33	45259	1720	1030	689.8							
1327	34	45349	1850	987.2	862.8							
1328	35	45447	1900	940.4	959.6							
1329	36	45539	1700	896.5	803.5							
1330	37	45622	1600	856.9	743.1							
1331	38	45720	1500	810.2	689.8							
1332	TDS-692-05											
1333												
1334	General Statistics											
1335	Number of Events				35							
1336	Number of Values Reported (n)				35							
1337	Number of Replicates				0							
1338	Minimum				1300							
1339	Maximum				1780							
1340	Mean				1540							
1341	Geometric Mean				1538							
1342	Median				1560							
1343	Standard Deviation				88.77							
1344	Coefficient of Variation				0.0576							
1345												
1346	Mann-Kendall Statistics											
1347	M-K Test Value (S)				242							
1348	Critical Value (0.05)				1.645							
1349	Standard Deviation of S				70.06							
1350	Standardized Value of S				3.44							
1351	Approximate p-value				2.9080E-4							
1352												
1353	Approximate inference for Theil-Sen Trend Test											
1354	Number of Slopes				595							
1355	Theil-Sen Slope				0.043							
1356	Theil-Sen Intercept				-339.3							
1357	M1'				239.9							
1358	One-sided 95% lower limit of Slope				0.0255							
1359	95% LCL of Slope (0.025)				0.0215							
1360	95% UCL of Slope (0.975)				0.0631							
1361												
1362	Statistically significant evidence of an increasing trend at the specified level of significance.											
1363												
1364												
1365	Theil-Sen Trend Test Estimates and Residuals											
1366	#	Events	Values	Estimates	Residuals							
1367	1	42340	1370	1482	-111.8							
1368	2	42424	1540	1485	54.58							
1369	3	42521	1470	1490	-19.59							
1370	4	42615	1420	1494	-73.63							
1371	5	42703	1420	1497	-77.42							
1372	6	42797	1430	1501	-71.46							
1373	7	42891	1430	1506	-75.51							
1374	8	42969	1470	1509	-38.86							
1375	9	43069	1300	1513	-213.2							
1376	10	43335	1500	1525	-24.6							
1377	11	43538	1540	1533	6.667							
1378	12	43614	1600	1537	63.4							
1379	13	43693	1570	1540	30							
1380	14	43801	1510	1545	-34.65							
1381	15	43880	1780	1548	232							
1382	16	43978	1640	1552	87.74							
1383	17	44070	1580	1556	23.78							
1384	18	44158	1580	1560	20							
1385	19	44264	1550	1565	-14.56							
1386	20	44337	1620	1568	52.3							

	A	B	C	D	E	F	G	H	I	J	K	L
1387	21	44431	1570	1572	-1.742							
1388	22	44519	1600	1576	24.47							
1389	23	44622	1550	1580	-29.96							
1390	24	44701	1550	1583	-33.35							
1391	25	44796	1600	1587	12.56							
1392	26	44895	1610	1592	18.3							
1393	27	44985	1560	1596	-35.57							
1394	28	45069	1500	1599	-99.18							
1395	29	45166	1570	1603	-33.35							
1396	30	45261	1610	1607	2.559							
1397	31	45350	1570	1611	-41.27							
1398	32	45447	1600	1615	-15.44							
1399	33	45540	1500	1619	-119.4							
1400	34	45622	1600	1623	-22.97							
1401	35	45721	1600	1627	-27.23							
1402	TDS-692-06											
1403												
1404	General Statistics											
1405	Number of Events				38							
1406	Number of Values Reported (n)				38							
1407	Number of Replicates				0							
1408	Minimum				1290							
1409	Maximum				1580							
1410	Mean				1451							
1411	Geometric Mean				1450							
1412	Median				1450							
1413	Standard Deviation				49.66							
1414	Coefficient of Variation				0.0342							
1415												
1416	Mann-Kendall Statistics											
1417	M-K Test Value (S)				181							
1418	Critical Value (0.05)				1.645							
1419	Standard Deviation of S				79.01							
1420	Standardized Value of S				2.278							
1421	Approximate p-value				0.0114							
1422												
1423	Approximate inference for Theil-Sen Trend Test											
1424	Number of Slopes				703							
1425	Theil-Sen Slope				0.0147							
1426	Theil-Sen Intercept				804.5							
1427	M1				274.1							
1428	M2				428.9							
1429	95% LCL of Slope (0.025)				0							
1430	95% UCL of Slope (0.975)				0.0273							
1431												
1432	Insufficient evidence to identify a significant											
1433	trend at the specified level of significance.											
1434												
1435	Theil-Sen Trend Test Estimates and Residuals											
1436	#	Events	Values	Estimates	Residuals							
1437	1	42340	1420	1425	-5.308							
1438	2	42424	1410	1427	-16.54							
1439	3	42521	1420	1428	-7.962							
1440	4	42619	1420	1429	-9.399							
1441	5	42704	1420	1431	-10.65							
1442	6	42796	1530	1432	98.01							
1443	7	42891	1580	1433	146.6							
1444	8	42970	1480	1435	45.45							
1445	9	43069	1290	1436	-146							
1446	10	43154	1430	1437	-7.243							
1447	11	43250	1420	1439	-18.65							
1448	12	43335	1450	1440	10.1							
1449	13	43438	1490	1441	48.59							
1450	14	43531	1450	1443	7.229							
1451	15	43614	1430	1444	-13.99							
1452	16	43692	1440	1445	-5.132							

	A	B	C	D	E	F	G	H	I	J	K	L
1453	17	43795	1490	1447	43.36							
1454	18	43879	1400	1448	-47.87							
1455	19	43978	1440	1449	-9.326							
1456	20	44070	1450	1451	-0.674							
1457	21	44159	1470	1452	18.02							
1458	22	44266	1390	1454	-63.55							
1459	23	44337	1470	1455	15.41							
1460	24	44432	1490	1456	34.02							
1461	25	44522	1500	1457	42.7							
1462	26	44622	1380	1459	-78.77							
1463	27	44704	1420	1460	-39.97							
1464	28	44796	1490	1461	28.68							
1465	29	44895	1470	1463	7.229							
1466	30	44985	1430	1464	-34.09							
1467	31	45069	1410	1465	-55.32							
1468	32	45166	1470	1467	3.255							
1469	33	45261	1450	1468	-18.14							
1470	34	45350	1450	1469	-19.44							
1471	35	45448	1500	1471	29.12							
1472	36	45540	1500	1472	27.77							
1473	37	45622	1500	1473	26.57							
1474	38	45721	1500	1475	25.12							
1475	TDS-692-07											
1476												
1477	General Statistics											
1478	Number of Events				37							
1479	Number of Values Reported (n)				37							
1480	Number of Replicates				0							
1481	Minimum				1450							
1482	Maximum				1790							
1483	Mean				1627							
1484	Geometric Mean				1625							
1485	Median				1640							
1486	Standard Deviation				78.13							
1487	Coefficient of Variation				0.048							
1488												
1489	Mann-Kendall Statistics											
1490	M-K Test Value (S)				129							
1491	Critical Value (0.05)				1.645							
1492	Standard Deviation of S				76.24							
1493	Standardized Value of S				1.679							
1494	Approximate p-value				0.0466							
1495												
1496	Approximate inference for Theil-Sen Trend Test											
1497	Number of Slopes				666							
1498	Theil-Sen Slope				0.0237							
1499	Theil-Sen Intercept				596.4							
1500	M1				258.3							
1501	M2				407.7							
1502	95% LCL of Slope (0.025)				0							
1503	95% UCL of Slope (0.975)				0.0513							
1504												
1505	Insufficient evidence to identify a significant											
1506	trend at the specified level of significance.											
1507												
1508	Theil-Sen Trend Test Estimates and Residuals											
1509	#	Events	Values	Estimates	Residuals							
1510	1	42340	1490	1599	-109							
1511	2	42424	1590	1601	-11.02							
1512	3	42521	1660	1603	56.68							
1513	4	42615	1520	1606	-85.55							
1514	5	42703	1660	1608	52.37							
1515	6	42797	1550	1610	-59.86							
1516	7	42891	1520	1612	-92.08							
1517	8	42970	1590	1614	-23.95							
1518	9	43069	1450	1616	-166.3							

	A	B	C	D	E	F	G	H	I	J	K	L
1519	10	43154	1630	1618	11.69							
1520	11	43250	1600	1621	-20.58							
1521	12	43335	1650	1623	27.4							
1522	13	43438	1640	1625	14.97							
1523	14	43531	1680	1627	52.76							
1524	15	43614	1690	1629	60.8							
1525	16	43693	1700	1631	68.93							
1526	17	43795	1650	1633	16.51							
1527	18	44001	1790	1638	151.6							
1528	19	44070	1720	1640	80							
1529	20	44159	1620	1642	-22.11							
1530	21	44266	1640	1645	-4.641							
1531	22	44337	1620	1646	-26.32							
1532	23	44432	1760	1649	111.4							
1533	24	44522	1700	1651	49.3							
1534	25	44622	1530	1653	-123.1							
1535	26	44704	1670	1655	14.99							
1536	27	44797	1720	1657	62.78							
1537	28	44896	1650	1660	-9.56							
1538	29	44985	1560	1662	-101.7							
1539	30	45070	1510	1664	-153.7							
1540	31	45167	1550	1666	-116							
1541	32	45261	1600	1668	-68.2							
1542	33	45350	1590	1670	-80.31							
1543	34	45448	1700	1673	27.37							
1544	35	45540	1700	1675	25.19							
1545	36	45628	1600	1677	-76.89							
1546	37	45722	1700	1679	20.88							
1547	TDS-692-08											
1548												
1549	General Statistics											
1550	Number of Events				38							
1551	Number of Values Reported (n)				38							
1552	Number of Replicates				0							
1553	Minimum				1270							
1554	Maximum				1500							
1555	Mean				1354							
1556	Geometric Mean				1353							
1557	Median				1360							
1558	Standard Deviation				45.53							
1559	Coefficient of Variation				0.0336							
1560												
1561	Mann-Kendall Statistics											
1562	M-K Test Value (S)				130							
1563	Critical Value (0.05)				1.645							
1564	Standard Deviation of S				79.07							
1565	Standardized Value of S				1.631							
1566	Approximate p-value				0.0514							
1567												
1568	Approximate inference for Theil-Sen Trend Test											
1569	Number of Slopes				703							
1570	Theil-Sen Slope				0.0129							
1571	Theil-Sen Intercept				791.9							
1572	M1				274							
1573	M2				429							
1574	95% LCL of Slope (0.025)				0							
1575	95% UCL of Slope (0.975)				0.0272							
1576												
1577	Insufficient evidence to identify a significant											
1578	trend at the specified level of significance.											
1579												
1580	Theil-Sen Trend Test Estimates and Residuals											
1581	#	Events	Values	Estimates	Residuals							
1582	1	42340	1330	1338	-8.271							
1583	2	42424	1300	1339	-39.35							
1584	3	42521	1340	1341	-0.606							

	A	B	C	D	E	F	G	H	I	J	K	L
1585	4	42615	1320	1342	-21.82							
1586	5	42704	1340	1343	-2.968							
1587	6	42797	1270	1344	-74.17							
1588	7	42891	1300	1345	-45.38							
1589	8	42969	1370	1346	23.61							
1590	9	43069	1280	1348	-67.68							
1591	10	43154	1360	1349	11.23							
1592	11	43250	1340	1350	-10.01							
1593	12	43335	1380	1351	28.89							
1594	13	43438	1370	1352	17.56							
1595	14	43531	1400	1354	46.36							
1596	15	43614	1380	1355	25.29							
1597	16	43693	1340	1356	-15.73							
1598	17	43794	1350	1357	-7.032							
1599	18	43879	1380	1358	21.87							
1600	19	43978	1400	1359	40.59							
1601	20	44070	1400	1361	39.41							
1602	21	44159	1360	1362	-1.742							
1603	22	44266	1350	1363	-13.12							
1604	23	44337	1390	1364	25.96							
1605	24	44432	1390	1365	24.74							
1606	25	44522	1400	1366	33.57							
1607	26	44622	1370	1368	2.284							
1608	27	44704	1380	1369	11.23							
1609	28	44797	1370	1370	0.0258							
1610	29	44896	1370	1371	-1.252							
1611	30	44986	1330	1372	-42.41							
1612	31	45070	1290	1373	-83.5							
1613	32	45167	1280	1375	-94.75							
1614	33	45264	1380	1376	4							
1615	34	45351	1330	1377	-47.12							
1616	35	45449	1300	1378	-78.39							
1617	36	45541	1300	1380	-79.57							
1618	37	45629	1400	1381	19.29							
1619	38	45722	1500	1382	118.1							
1620	TDS-692-09											
1621												
1622	General Statistics											
1623	Number of Events				37							
1624	Number of Values Reported (n)				37							
1625	Number of Replicates				0							
1626	Minimum				970							
1627	Maximum				1460							
1628	Mean				1378							
1629	Geometric Mean				1376							
1630	Median				1400							
1631	Standard Deviation				77.23							
1632	Coefficient of Variation				0.056							
1633												
1634	Mann-Kendall Statistics											
1635	M-K Test Value (S)				193							
1636	Critical Value (0.05)				1.645							
1637	Standard Deviation of S				75.6							
1638	Standardized Value of S				2.54							
1639	Approximate p-value				0.00555							
1640												
1641	Approximate inference for Theil-Sen Trend Test											
1642	Number of Slopes				666							
1643	Theil-Sen Slope				0.0153							
1644	Theil-Sen Intercept				727.5							
1645	M1'				270.8							
1646	One-sided 95% lower limit of Slope				0.00301							
1647	95% LCL of Slope (0.025)				0							
1648	95% UCL of Slope (0.975)				0.0266							
1649												
1650	Statistically significant evidence of an increasing											

	A	B	C	D	E	F	G	H	I	J	K	L
1651	trend at the specified level of significance.											
1652												
1653	Theil-Sen Trend Test Estimates and Residuals											
1654	#	Events	Values	Estimates	Residuals							
1655	1	42340	1320	1374	-53.61							
1656	2	42424	1280	1375	-94.9							
1657	3	42521	1400	1376	23.62							
1658	4	42615	1340	1378	-37.81							
1659	5	42704	1380	1379	0.831							
1660	6	42797	1320	1381	-60.59							
1661	7	42891	1340	1382	-42.02							
1662	8	42969	1360	1383	-23.21							
1663	9	43069	970	1385	-414.7							
1664	10	43154	1380	1386	-6.037							
1665	11	43250	1420	1388	32.5							
1666	12	43335	1410	1389	21.2							
1667	13	43438	1410	1390	19.63							
1668	14	43531	1400	1392	8.21							
1669	15	43614	1390	1393	-3.056							
1670	16	43693	1410	1394	15.74							
1671	17	43801	1420	1396	24.09							
1672	18	43978	1400	1399	1.389							
1673	19	44069	1410	1400	10							
1674	20	44158	1370	1401	-31.36							
1675	21	44264	1380	1403	-22.98							
1676	22	44336	1420	1404	15.93							
1677	23	44431	1370	1406	-35.52							
1678	24	44519	1420	1407	13.13							
1679	25	44621	1460	1408	51.58							
1680	26	44701	1410	1410	0.355							
1681	27	44796	1420	1411	8.906							
1682	28	44895	1430	1413	17.39							
1683	29	44985	1400	1414	-13.98							
1684	30	45069	1380	1415	-35.26							
1685	31	45166	1390	1417	-26.74							
1686	32	45264	1410	1418	-8.236							
1687	33	45350	1380	1420	-39.55							
1688	34	45448	1400	1421	-21.04							
1689	35	45539	1400	1422	-22.43							
1690	36	45622	1400	1424	-23.7							
1691	37	45721	1400	1425	-25.21							
1692	TDS-692-10											
1693												
1694	General Statistics											
1695	Number of Events				10							
1696	Number of Values Reported (n)				10							
1697	Number of Replicates				0							
1698	Minimum				1520							
1699	Maximum				1900							
1700	Mean				1709							
1701	Geometric Mean				1704							
1702	Median				1700							
1703	Standard Deviation				136.7							
1704	Coefficient of Variation				0.08							
1705												
1706	Mann-Kendall Statistics											
1707	M-K Test Value (S)				17							
1708	Tabulated p-value				0.078							
1709	Standard Deviation of S				11.09							
1710	Standardized Value of S				1.443							
1711	Approximate p-value				0.0746							
1712												
1713	Approximate inference for Theil-Sen Trend Test											
1714	Number of Slopes				45							
1715	Theil-Sen Slope				0.288							
1716	Theil-Sen Intercept				-11361							

	A	B	C	D	E	F	G	H	I	J	K	L
1717	M1				11.63							
1718	M2				33.37							
1719	95% LCL of Slope (0.025)				-0.179							
1720	95% UCL of Slope (0.975)				0.588							
1721												
1722	Insufficient evidence to identify a significant											
1723	trend at the specified level of significance.											
1724												
1725	Theil-Sen Trend Test Estimates and Residuals											
1726	#	Events	Values	Estimates	Residuals							
1727	1	44895	1830	1582	248.5							
1728	2	44986	1540	1608	-67.75							
1729	3	45070	1520	1632	-112							
1730	4	45167	1640	1660	-19.93							
1731	5	45261	1610	1687	-77.03							
1732	6	45351	1750	1713	37.03							
1733	7	45448	1900	1741	159.1							
1734	8	45541	1700	1768	-67.75							
1735	9	45628	1700	1793	-92.83							
1736	10	45722	1900	1820	80.07							
1737	TDS-70/86/340-01											
1738												
1739	General Statistics											
1740	Number of Events				38							
1741	Number of Values Reported (n)				38							
1742	Number of Replicates				0							
1743	Minimum				3060							
1744	Maximum				7090							
1745	Mean				5061							
1746	Geometric Mean				4980							
1747	Median				4725							
1748	Standard Deviation				918.5							
1749	Coefficient of Variation				0.181							
1750												
1751	Mann-Kendall Statistics											
1752	M-K Test Value (S)				104							
1753	Critical Value (0.05)				1.645							
1754	Standard Deviation of S				79.51							
1755	Standardized Value of S				1.295							
1756	Approximate p-value				0.0976							
1757												
1758	Approximate inference for Theil-Sen Trend Test											
1759	Number of Slopes				703							
1760	Theil-Sen Slope				0.325							
1761	Theil-Sen Intercept				-9585							
1762	M1				273.6							
1763	M2				429.4							
1764	95% LCL of Slope (0.025)				-0.113							
1765	95% UCL of Slope (0.975)				0.596							
1766												
1767	Insufficient evidence to identify a significant											
1768	trend at the specified level of significance.											
1769												
1770	Theil-Sen Trend Test Estimates and Residuals											
1771	#	Events	Values	Estimates	Residuals							
1772	1	42318	4940	4174	765.9							
1773	2	42415	4730	4206	524.4							
1774	3	42509	4680	4236	443.8							
1775	4	42605	5170	4267	902.6							
1776	5	42684	5080	4293	786.9							
1777	6	42782	4430	4325	105.1							
1778	7	42873	5410	4355	1055							
1779	8	42958	5170	4382	787.8							
1780	9	43048	4190	4411	-221.4							
1781	10	43143	4580	4442	137.7							
1782	11	43241	4600	4474	125.8							

	A	B	C	D	E	F	G	H	I	J	K	L
1783	12	43326	4680	4502	178.2							
1784	13	43420	4560	4532	27.64							
1785	14	43521	4750	4565	184.8							
1786	15	43601	4720	4591	128.8							
1787	16	43684	4720	4618	101.8							
1788	17	43784	4660	4651	9.292							
1789	18	43868	4590	4678	-88.02							
1790	19	43969	4520	4711	-190.9							
1791	20	44056	4500	4739	-239.1							
1792	21	44146	4320	4768	-448.4							
1793	22	44242	3790	4800	-1010							
1794	23	44322	3550	4826	-1276							
1795	24	44417	3060	4857	-1797							
1796	25	44504	4260	4885	-624.8							
1797	26	44606	5440	4918	522							
1798	27	44686	6120	4944	1176							
1799	28	44781	6250	4975	1275							
1800	29	44872	6570	5004	1566							
1801	30	44965	6560	5035	1525							
1802	31	45051	6060	5063	997.4							
1803	32	45146	7090	5094	1996							
1804	33	45238	6290	5123	1167							
1805	34	45331	6290	5154	1136							
1806	35	45425	6000	5184	815.8							
1807	36	45523	4200	5216	-1016							
1808	37	45607	6000	5243	756.6							
1809	38	45706	5800	5276	524.4							
1810	TDS-70-01											
1811												
1812	General Statistics											
1813	Number of Events				38							
1814	Number of Values Reported (n)				38							
1815	Number of Replicates				0							
1816	Minimum				2530							
1817	Maximum				3530							
1818	Mean				3076							
1819	Geometric Mean				3064							
1820	Median				3135							
1821	Standard Deviation				274.6							
1822	Coefficient of Variation				0.0893							
1823												
1824	Mann-Kendall Statistics											
1825	M-K Test Value (S)				169							
1826	Critical Value (0.05)				1.645							
1827	Standard Deviation of S				79.42							
1828	Standardized Value of S				2.115							
1829	Approximate p-value				0.0172							
1830												
1831	Approximate inference for Theil-Sen Trend Test											
1832	Number of Slopes				703							
1833	Theil-Sen Slope				0.116							
1834	Theil-Sen Intercept				-1966							
1835	M1'				286.2							
1836	One-sided 95% lower limit of Slope				0.0275							
1837	95% LCL of Slope (0.025)				0							
1838	95% UCL of Slope (0.975)				0.198							
1839												
1840	Statistically significant evidence of an increasing											
1841	trend at the specified level of significance.											
1842												
1843	Theil-Sen Trend Test Estimates and Residuals											
1844	#	Events	Values	Estimates	Residuals							
1845	1	42320	2560	2939	-379.1							
1846	2	42416	2650	2950	-300.2							
1847	3	42514	2720	2962	-241.5							
1848	4	42601	2740	2972	-231.6							

	A	B	C	D	E	F	G	H	I	J	K	L
1849	5	42696	2790	2983	-192.6							
1850	6	42786	2530	2993	-463.1							
1851	7	42874	2540	3003	-463.3							
1852	8	42961	2740	3013	-273.4							
1853	9	43048	2620	3023	-403.4							
1854	10	43144	3010	3035	-24.57							
1855	11	43241	3410	3046	364.2							
1856	12	43327	3530	3056	474.2							
1857	13	43419	3080	3066	13.56							
1858	14	43522	3390	3078	311.6							
1859	15	43601	3370	3088	282.5							
1860	16	43684	3450	3097	352.8							
1861	17	43784	3460	3109	351.3							
1862	18	43871	3210	3119	91.17							
1863	19	43964	3000	3130	-129.6							
1864	20	44057	3150	3140	9.61							
1865	21	44147	3030	3151	-120.8							
1866	22	44243	3140	3162	-21.95							
1867	23	44326	3180	3172	8.432							
1868	24	44418	3130	3182	-52.23							
1869	25	44505	3320	3192	127.7							
1870	26	44607	3170	3204	-34.14							
1871	27	44690	3330	3214	116.2							
1872	28	44782	3350	3224	125.6							
1873	29	44873	3180	3235	-54.97							
1874	30	44966	3160	3246	-85.75							
1875	31	45054	3100	3256	-155.9							
1876	32	45147	3180	3267	-86.73							
1877	33	45239	3180	3277	-97.39							
1878	34	45334	3100	3288	-188.4							
1879	35	45426	3000	3299	-299.1							
1880	36	45524	3100	3310	-210.4							
1881	37	45608	3200	3320	-120.2							
1882	38	45707	3100	3332	-231.6							
1883	TDS-70-02											
1884												
1885	General Statistics											
1886	Number of Events				37							
1887	Number of Values Reported (n)				37							
1888	Number of Replicates				0							
1889	Minimum				2680							
1890	Maximum				3270							
1891	Mean				3008							
1892	Geometric Mean				3005							
1893	Median				2990							
1894	Standard Deviation				129.4							
1895	Coefficient of Variation				0.043							
1896												
1897	Mann-Kendall Statistics											
1898	M-K Test Value (S)				-303							
1899	Critical Value (0.05)				-1.645							
1900	Standard Deviation of S				76.32							
1901	Standardized Value of S				-3.957							
1902	Approximate p-value				3.7923E-5							
1903												
1904	Approximate inference for Theil-Sen Trend Test											
1905	Number of Slopes				666							
1906	Theil-Sen Slope				-0.0853							
1907	Theil-Sen Intercept				6740							
1908	M2'				395.8							
1909	One-sided 95% upper limit of Slope				-0.0564							
1910	95% LCL of Slope (0.025)				-0.117							
1911	95% UCL of Slope (0.975)				-0.0516							
1912												
1913	Statistically significant evidence of a decreasing											
1914	trend at the specified level of significance.											

	A	B	C	D	E	F	G	H	I	J	K	L
1915												
1916	Theil-Sen Trend Test Estimates and Residuals											
1917	#	Events	Values	Estimates	Residuals							
1918	1	42320	3210	3130	79.79							
1919	2	42416	3180	3122	57.97							
1920	3	42513	3250	3114	136.2							
1921	4	42600	3270	3106	163.7							
1922	5	42696	3150	3098	51.86							
1923	6	42786	3120	3090	29.53							
1924	7	42874	3070	3083	-12.96							
1925	8	42961	3220	3076	144.5							
1926	9	43048	2680	3068	-388.1							
1927	10	43144	3060	3060	0.064							
1928	11	43241	2960	3052	-91.66							
1929	12	43327	3140	3044	95.67							
1930	13	43418	2950	3037	-86.57							
1931	14	43522	3030	3028	2.303							
1932	15	43601	2960	3021	-60.96							
1933	16	43683	2980	3014	-33.97							
1934	17	43781	2930	3006	-75.61							
1935	18	43871	2980	2998	-17.93							
1936	19	43964	3070	2990	80							
1937	20	44057	3040	2982	57.93							
1938	21	44147	2870	2974	-104.4							
1939	22	44243	3020	2966	53.8							
1940	23	44326	2980	2959	20.87							
1941	24	44418	2990	2951	38.72							
1942	25	44505	2990	2944	46.14							
1943	26	44607	2980	2935	44.84							
1944	27	44690	3020	2928	91.92							
1945	28	44782	2980	2920	59.77							
1946	29	44873	2840	2912	-72.47							
1947	30	44966	2920	2905	15.46							
1948	31	45054	2890	2897	-7.036							
1949	32	45147	2910	2889	20.9							
1950	33	45334	2760	2873	-113.2							
1951	34	45426	2900	2865	34.69							
1952	35	45524	3100	2857	243							
1953	36	45608	3000	2850	150.2							
1954	37	45707	2900	2841	58.66							
1955	TDS-70-03											
1956												
1957	General Statistics											
1958	Number of Events				38							
1959	Number of Values Reported (n)				38							
1960	Number of Replicates				0							
1961	Minimum				4140							
1962	Maximum				9340							
1963	Mean				6180							
1964	Geometric Mean				5969							
1965	Median				5700							
1966	Standard Deviation				1663							
1967	Coefficient of Variation				0.269							
1968												
1969	Mann-Kendall Statistics											
1970	M-K Test Value (S)				-481							
1971	Critical Value (0.05)				-1.645							
1972	Standard Deviation of S				79.53							
1973	Standardized Value of S				-6.035							
1974	Approximate p-value				7.925E-10							
1975												
1976	Approximate inference for Theil-Sen Trend Test											
1977	Number of Slopes				703							
1978	Theil-Sen Slope				-1.534							
1979	Theil-Sen Intercept				73222							
1980	M2'				416.9							

	A	B	C	D	E	F	G	H	I	J	K	L
1981	One-sided 95% upper limit of Slope				-1.25							
1982	95% LCL of Slope (0.025)				-1.845							
1983	95% UCL of Slope (0.975)				-1.214							
1984												
1985	Statistically significant evidence of a decreasing trend at the specified level of significance.											
1986												
1987												
1988	Theil-Sen Trend Test Estimates and Residuals											
1989	#	Events	Values	Estimates	Residuals							
1990	1	42320	7040	8294	-1254							
1991	2	42416	8380	8146	233.7							
1992	3	42514	8330	7996	334							
1993	4	42600	9340	7864	1476							
1994	5	42696	8430	7717	713.2							
1995	6	42786	8270	7579	691.3							
1996	7	42874	8370	7444	926.3							
1997	8	42961	8370	7310	1060							
1998	9	43048	7940	7177	763.3							
1999	10	43144	8490	7029	1461							
2000	11	43241	8080	6881	1199							
2001	12	43327	7900	6749	1151							
2002	13	43419	7530	6608	922.5							
2003	14	43522	7320	6449	870.5							
2004	15	43601	6850	6328	521.7							
2005	16	43683	6810	6202	607.5							
2006	17	43784	6350	6048	302.5							
2007	18	43868	6080	5919	161.4							
2008	19	43964	5810	5771	38.66							
2009	20	44057	5590	5629	-38.66							
2010	21	44146	5050	5492	-442.1							
2011	22	44243	4600	5343	-743.3							
2012	23	44326	4760	5216	-455.9							
2013	24	44418	4770	5075	-304.8							
2014	25	44505	4600	4941	-341.3							
2015	26	44607	4240	4785	-544.8							
2016	27	44690	4430	4657	-227.5							
2017	28	44782	4750	4516	233.7							
2018	29	44873	4690	4377	313.3							
2019	30	44966	4140	4234	-94.04							
2020	31	45054	4640	4099	541							
2021	32	45147	4400	3956	443.7							
2022	33	45239	4520	3815	704.8							
2023	34	45334	4560	3669	890.6							
2024	35	45426	4700	3528	1172							
2025	36	45524	5000	3378	1622							
2026	37	45608	4800	3249	1551							
2027	38	45707	4900	3097	1803							
2028	TDS-70-04											
2029												
2030	General Statistics											
2031	Number of Events				38							
2032	Number of Values Reported (n)				38							
2033	Number of Replicates				0							
2034	Minimum				2670							
2035	Maximum				3220							
2036	Mean				2949							
2037	Geometric Mean				2946							
2038	Median				2995							
2039	Standard Deviation				138							
2040	Coefficient of Variation				0.0468							
2041												
2042	Mann-Kendall Statistics											
2043	M-K Test Value (S)				223							
2044	Critical Value (0.05)				1.645							
2045	Standard Deviation of S				79.26							
2046	Standardized Value of S				2.801							

	A	B	C	D	E	F	G	H	I	J	K	L
2047	Approximate p-value				0.00255							
2048												
2049	Approximate inference for Theil-Sen Trend Test											
2050	Number of Slopes				703							
2051	Theil-Sen Slope				0.0549							
2052	Theil-Sen Intercept				576.8							
2053	M1'				286.3							
2054	One-sided 95% lower limit of Slope				0.02							
2055	95% LCL of Slope (0.025)				0.0129							
2056	95% UCL of Slope (0.975)				0.102							
2057												
2058	Statistically significant evidence of an increasing											
2059	trend at the specified level of significance.											
2060												
2061	Theil-Sen Trend Test Estimates and Residuals											
2062	#	Events	Values	Estimates	Residuals							
2063	1	42320	2700	2902	-202.1							
2064	2	42416	2670	2907	-237.4							
2065	3	42513	2780	2913	-132.7							
2066	4	42600	2920	2918	2.5							
2067	5	42696	2900	2923	-22.77							
2068	6	42786	2970	2928	42.28							
2069	7	42874	2680	2933	-252.6							
2070	8	42961	2820	2937	-117.3							
2071	9	43048	2740	2942	-202.1							
2072	10	43144	2860	2947	-87.39							
2073	11	43241	3150	2953	197.3							
2074	12	43327	3070	2957	112.6							
2075	13	43418	2980	2962	17.55							
2076	14	43522	3020	2968	51.84							
2077	15	43601	3020	2973	47.5							
2078	16	43683	2940	2977	-37.01							
2079	17	43781	3020	2982	37.61							
2080	18	43871	3190	2987	202.7							
2081	19	43964	2750	2992	-242.4							
2082	20	44057	2900	2998	-97.55							
2083	21	44147	2940	3003	-62.5							
2084	22	44243	2940	3008	-67.77							
2085	23	44326	3010	3012	-2.335							
2086	24	44418	2990	3017	-27.39							
2087	25	44505	3030	3022	7.83							
2088	26	44607	3000	3028	-27.77							
2089	27	44690	3220	3032	187.7							
2090	28	44782	3020	3037	-17.39							
2091	29	44873	3000	3042	-42.39							
2092	30	44966	3090	3048	42.5							
2093	31	45054	3020	3052	-32.34							
2094	32	45147	3040	3057	-17.45							
2095	33	45239	3080	3063	17.5							
2096	34	45334	3020	3068	-47.72							
2097	35	45426	3000	3073	-72.77							
2098	36	45524	2700	3078	-378.2							
2099	37	45608	3000	3083	-82.77							
2100	38	45707	2900	3088	-188.2							
2101	TDS-74-01											
2102												
2103	General Statistics											
2104	Number of Events				38							
2105	Number of Values Reported (n)				38							
2106	Number of Replicates				0							
2107	Minimum				2630							
2108	Maximum				9800							
2109	Mean				3400							
2110	Geometric Mean				3301							
2111	Median				3100							
2112	Standard Deviation				1133							

	A	B	C	D	E	F	G	H	I	J	K	L
2113	Coefficient of Variation				0.333							
2114												
2115	Mann-Kendall Statistics											
2116	M-K Test Value (S)				-15							
2117	Critical Value (0.05)				-1.645							
2118	Standard Deviation of S				79.49							
2119	Standardized Value of S				-0.176							
2120	Approximate p-value				0.43							
2121												
2122	Approximate inference for Theil-Sen Trend Test											
2123	Number of Slopes				703							
2124	Theil-Sen Slope				-0.00392							
2125	Theil-Sen Intercept				3273							
2126	M1				273.6							
2127	M2				429.4							
2128	95% LCL of Slope (0.025)				-0.135							
2129	95% UCL of Slope (0.975)				0.109							
2130												
2131	Insufficient evidence to identify a significant											
2132	trend at the specified level of significance.											
2133												
2134	Theil-Sen Trend Test Estimates and Residuals											
2135	#	Events	Values	Estimates	Residuals							
2136	1	42320	2630	3107	-476.7							
2137	2	42418	2840	3106	-266.3							
2138	3	42515	3060	3106	-45.89							
2139	4	42606	3690	3106	584.5							
2140	5	42688	3360	3105	254.8							
2141	6	42790	3060	3105	-44.81							
2142	7	42881	2810	3104	-294.5							
2143	8	42963	3590	3104	485.9							
2144	9	43053	3100	3104	-3.777							
2145	10	43150	3290	3103	186.6							
2146	11	43243	3140	3103	36.97							
2147	12	43341	3000	3103	-102.6							
2148	13	43420	3820	3102	717.7							
2149	14	43524	3460	3102	358.1							
2150	15	43606	3110	3102	8.391							
2151	16	43691	2910	3101	-191.3							
2152	17	43788	3960	3101	859.1							
2153	18	43875	4050	3101	949.4							
2154	19	43969	3570	3100	469.8							
2155	20	44064	2790	3100	-309.8							
2156	21	44152	9800	3099	6701							
2157	22	44249	3940	3099	840.9							
2158	23	44333	3590	3099	491.2							
2159	24	44446	3410	3098	311.7							
2160	25	44512	3130	3098	31.94							
2161	26	44614	2940	3098	-157.7							
2162	27	44694	3020	3097	-77.34							
2163	28	44789	3000	3097	-96.97							
2164	29	44880	2980	3097	-116.6							
2165	30	44974	2980	3096	-116.2							
2166	31	45061	2950	3096	-145.9							
2167	32	45156	2830	3096	-265.5							
2168	33	45247	2830	3095	-265.2							
2169	34	45341	3050	3095	-44.81							
2170	35	45443	3100	3094	5.592							
2171	36	45532	3200	3094	105.9							
2172	37	45615	4100	3094	1006							
2173	38	45714	3100	3093	6.654							
2174	TDS-74-02											
2175												
2176	General Statistics											
2177	Number of Events				38							
2178	Number of Values Reported (n)				38							

	A	B	C	D	E	F	G	H	I	J	K	L
2179	Number of Replicates				0							
2180	Minimum				2100							
2181	Maximum				18900							
2182	Mean				3182							
2183	Geometric Mean				2773							
2184	Median				2465							
2185	Standard Deviation				2878							
2186	Coefficient of Variation				0.904							
2187												
2188	Mann-Kendall Statistics											
2189	M-K Test Value (S)				335							
2190	Critical Value (0.05)				1.645							
2191	Standard Deviation of S				79.49							
2192	Standardized Value of S				4.202							
2193	Approximate p-value				1.3234E-5							
2194												
2195	Approximate inference for Theil-Sen Trend Test											
2196	Number of Slopes				703							
2197	Theil-Sen Slope				0.188							
2198	Theil-Sen Intercept				-5801							
2199	M1'				286.1							
2200	One-sided 95% lower limit of Slope				0.113							
2201	95% LCL of Slope (0.025)				0.101							
2202	95% UCL of Slope (0.975)				0.315							
2203												
2204	Statistically significant evidence of an increasing											
2205	trend at the specified level of significance.											
2206												
2207	Theil-Sen Trend Test Estimates and Residuals											
2208	#	Events	Values	Estimates	Residuals							
2209	1	42319	2120	2147	-26.5							
2210	2	42418	2420	2165	254.9							
2211	3	42515	2480	2183	296.7							
2212	4	42606	2480	2200	279.6							
2213	5	42688	2440	2216	224.2							
2214	6	42790	2240	2235	5.047							
2215	7	42880	2470	2252	218.1							
2216	8	42962	2100	2267	-167.3							
2217	9	43053	2110	2284	-174.3							
2218	10	43146	2260	2302	-41.81							
2219	11	43243	2360	2320	39.98							
2220	12	43335	2220	2337	-117.3							
2221	13	43419	2230	2353	-123.1							
2222	14	43524	2400	2373	27.21							
2223	15	43606	2380	2388	-8.192							
2224	16	43691	2310	2404	-94.15							
2225	17	43788	2630	2422	207.6							
2226	18	43875	2540	2439	101.3							
2227	19	43966	2430	2456	-25.8							
2228	20	44064	2410	2474	-64.2							
2229	21	44152	18900	2491	16409							
2230	22	44249	9470	2509	6961							
2231	23	44330	3220	2524	695.8							
2232	24	44446	2550	2546	4.061							
2233	25	44511	2470	2558	-88.15							
2234	26	44614	2360	2577	-217.5							
2235	27	44694	2430	2593	-162.5							
2236	28	44788	2480	2610	-130.2							
2237	29	44879	2460	2627	-167.3							
2238	30	44974	2440	2645	-205.1							
2239	31	45058	2500	2661	-160.9							
2240	32	45156	2540	2679	-139.3							
2241	33	45247	3010	2696	313.6							
2242	34	45338	3250	2713	536.5							
2243	35	45443	2800	2733	66.83							
2244	36	45530	3400	2750	650.5							

	A	B	C	D	E	F	G	H	I	J	K	L
2245	37	45614	3700	2765	934.7							
2246	38	45713	3900	2784	1116							
2247	TDS-74-03											
2248												
2249	General Statistics											
2250	Number of Events				38							
2251	Number of Values Reported (n)				38							
2252	Number of Replicates				0							
2253	Minimum				1240							
2254	Maximum				3480							
2255	Mean				1835							
2256	Geometric Mean				1772							
2257	Median				1610							
2258	Standard Deviation				529.8							
2259	Coefficient of Variation				0.289							
2260												
2261	Mann-Kendall Statistics											
2262	M-K Test Value (S)				-359							
2263	Critical Value (0.05)				-1.645							
2264	Standard Deviation of S				79.48							
2265	Standardized Value of S				-4.504							
2266	Approximate p-value				3.3333E-6							
2267												
2268	Approximate inference for Theil-Sen Trend Test											
2269	Number of Slopes				703							
2270	Theil-Sen Slope				-0.354							
2271	Theil-Sen Intercept				17206							
2272	M2'				416.9							
2273	One-sided 95% upper limit of Slope				-0.243							
2274	95% LCL of Slope (0.025)				-0.52							
2275	95% UCL of Slope (0.975)				-0.217							
2276												
2277	Statistically significant evidence of a decreasing											
2278	trend at the specified level of significance.											
2279												
2280	Theil-Sen Trend Test Estimates and Residuals											
2281	#	Events	Values	Estimates	Residuals							
2282	1	42320	3480	2210	1270							
2283	2	42418	2920	2176	744.5							
2284	3	42515	2780	2141	638.9							
2285	4	42606	2590	2109	481.1							
2286	5	42688	2500	2080	420.2							
2287	6	42790	2520	2044	476.3							
2288	7	42880	2640	2012	628.2							
2289	8	42962	2150	1983	167.2							
2290	9	43053	2340	1951	389.5							
2291	10	43146	2100	1918	182.4							
2292	11	43243	2000	1883	116.8							
2293	12	43335	1900	1851	49.41							
2294	13	43419	1760	1821	-60.83							
2295	14	43524	1550	1784	-233.6							
2296	15	43606	1390	1755	-364.6							
2297	16	43691	1520	1724	-204.4							
2298	17	43788	1550	1690	-140.1							
2299	18	43875	1510	1659	-149.3							
2300	19	43966	1570	1627	-57.01							
2301	20	44062	1570	1593	-22.99							
2302	21	44152	1460	1561	-101.1							
2303	22	44249	1500	1527	-26.73							
2304	23	44330	1440	1498	-58.03							
2305	24	44435	1570	1461	109.2							
2306	25	44511	1420	1434	-13.9							
2307	26	44614	1340	1397	-57.4							
2308	27	44694	1240	1369	-129.1							
2309	28	44788	1360	1336	24.25							
2310	29	44879	1490	1304	186.5							

	A	B	C	D	E	F	G	H	I	J	K	L
2311	30	44974	1690	1270	420.2							
2312	31	45058	1670	1240	429.9							
2313	32	45156	1260	1205	54.65							
2314	33	45247	1650	1173	476.9							
2315	34	45338	1800	1141	659.1							
2316	35	45443	1800	1104	696.3							
2317	36	45530	1800	1073	727.2							
2318	37	45614	1500	1043	456.9							
2319	38	45713	1400	1008	392							
2320	TDS-74-04											
2321												
2322	General Statistics											
2323	Number of Events				38							
2324	Number of Values Reported (n)				38							
2325	Number of Replicates				0							
2326	Minimum				1670							
2327	Maximum				3840							
2328	Mean				2171							
2329	Geometric Mean				2149							
2330	Median				2140							
2331	Standard Deviation				347.3							
2332	Coefficient of Variation				0.16							
2333												
2334	Mann-Kendall Statistics											
2335	M-K Test Value (S)				336							
2336	Critical Value (0.05)				1.645							
2337	Standard Deviation of S				79.42							
2338	Standardized Value of S				4.218							
2339	Approximate p-value				1.2328E-5							
2340												
2341	Approximate inference for Theil-Sen Trend Test											
2342	Number of Slopes				703							
2343	Theil-Sen Slope				0.0905							
2344	Theil-Sen Intercept				-1843							
2345	M1'				286.2							
2346	One-sided 95% lower limit of Slope				0.0638							
2347	95% LCL of Slope (0.025)				0.0567							
2348	95% UCL of Slope (0.975)				0.127							
2349												
2350	Statistically significant evidence of an increasing											
2351	trend at the specified level of significance.											
2352												
2353	Theil-Sen Trend Test Estimates and Residuals											
2354	#	Events	Values	Estimates	Residuals							
2355	1	42320	2040	1986	53.53							
2356	2	42418	2010	1995	14.66							
2357	3	42515	2060	2004	55.88							
2358	4	42607	2060	2012	47.56							
2359	5	42689	2070	2020	50.14							
2360	6	42790	1920	2029	-109							
2361	7	42881	1910	2037	-127.2							
2362	8	42963	2020	2045	-24.66							
2363	9	43053	1840	2053	-212.8							
2364	10	43150	1960	2062	-101.6							
2365	11	43243	2060	2070	-10							
2366	12	43343	2140	2079	60.95							
2367	13	43420	2140	2086	53.98							
2368	14	43525	2140	2096	44.48							
2369	15	43606	1890	2103	-212.9							
2370	16	43691	2250	2111	139.5							
2371	17	43789	2180	2119	60.59							
2372	18	43875	2120	2127	-7.195							
2373	19	43969	1670	2136	-465.7							
2374	20	44064	2200	2144	55.7							
2375	21	44152	3840	2152	1688							
2376	22	44249	2140	2161	-21.04							

	A	B	C	D	E	F	G	H	I	J	K	L
2377	23	44333	2160	2169	-8.643							
2378	24	44446	2030	2179	-148.9							
2379	25	44512	2280	2185	95.16							
2380	26	44615	2300	2194	105.8							
2381	27	44697	2080	2202	-121.6							
2382	28	44789	2150	2210	-59.91							
2383	29	44880	2170	2218	-48.14							
2384	30	44978	2280	2227	52.99							
2385	31	45061	1830	2235	-404.5							
2386	32	45159	2160	2243	-83.39							
2387	33	45247	2270	2251	18.64							
2388	34	45341	2310	2260	50.14							
2389	35	45443	2200	2269	-69.1							
2390	36	45533	2300	2277	22.76							
2391	37	45615	3000	2285	715.3							
2392	38	45714	2300	2294	6.38							
2393	TDS-74-05											
2394												
2395	General Statistics											
2396	Number of Events				38							
2397	Number of Values Reported (n)				38							
2398	Number of Replicates				0							
2399	Minimum				1860							
2400	Maximum				3320							
2401	Mean				2210							
2402	Geometric Mean				2198							
2403	Median				2165							
2404	Standard Deviation				258.3							
2405	Coefficient of Variation				0.117							
2406												
2407	Mann-Kendall Statistics											
2408	M-K Test Value (S)				450							
2409	Critical Value (0.05)				1.645							
2410	Standard Deviation of S				79.44							
2411	Standardized Value of S				5.652							
2412	Approximate p-value				7.9256E-9							
2413												
2414	Approximate inference for Theil-Sen Trend Test											
2415	Number of Slopes				703							
2416	Theil-Sen Slope				0.086							
2417	Theil-Sen Intercept				-1621							
2418	M1'				286.2							
2419	One-sided 95% lower limit of Slope				0.0753							
2420	95% LCL of Slope (0.025)				0.0733							
2421	95% UCL of Slope (0.975)				0.106							
2422												
2423	Statistically significant evidence of an increasing											
2424	trend at the specified level of significance.											
2425												
2426	Theil-Sen Trend Test Estimates and Residuals											
2427	#	Events	Values	Estimates	Residuals							
2428	1	42320	2020	2019	0.915							
2429	2	42418	2040	2028	12.49							
2430	3	42515	2010	2036	-25.86							
2431	4	42607	2040	2044	-3.77							
2432	5	42689	2020	2051	-30.82							
2433	6	42790	2080	2060	20.49							
2434	7	42881	2140	2067	72.66							
2435	8	42963	1950	2074	-124.4							
2436	9	43053	1860	2082	-222.1							
2437	10	43150	2100	2090	9.527							
2438	11	43243	2110	2098	11.53							
2439	12	43341	2890	2107	783.1							
2440	13	43420	2070	2114	-43.7							
2441	14	43525	2140	2123	17.27							
2442	15	43606	2160	2130	30.31							

	A	B	C	D	E	F	G	H	I	J	K	L
2443	16	43690	2100	2137	-36.92							
2444	17	43789	2080	2145	-65.43							
2445	18	43875	2050	2153	-102.8							
2446	19	43969	2160	2161	-0.915							
2447	20	44064	2170	2169	0.915							
2448	21	44152	3320	2177	1143							
2449	22	44250	2210	2185	24.92							
2450	23	44333	2280	2192	87.78							
2451	24	44439	2160	2201	-41.34							
2452	25	44515	2200	2208	-7.876							
2453	26	44615	2190	2216	-26.48							
2454	27	44697	2210	2224	-13.53							
2455	28	44789	2270	2231	38.56							
2456	29	44880	2230	2239	-9.269							
2457	30	44978	2240	2248	-7.698							
2458	31	45061	2170	2255	-84.84							
2459	32	45159	2250	2263	-13.27							
2460	33	45247	2200	2271	-70.83							
2461	34	45341	2270	2279	-8.919							
2462	35	45446	2300	2288	12.05							
2463	36	45533	2300	2295	4.567							
2464	37	45615	2700	2302	397.5							
2465	38	45714	2300	2311	-11							
2466	TDS-833-02											
2467												
2468	General Statistics											
2469	Number of Events				38							
2470	Number of Values Reported (n)				38							
2471	Number of Replicates				0							
2472	Minimum				2400							
2473	Maximum				5000							
2474	Mean				3895							
2475	Geometric Mean				3862							
2476	Median				4010							
2477	Standard Deviation				489.4							
2478	Coefficient of Variation				0.126							
2479												
2480	Mann-Kendall Statistics											
2481	M-K Test Value (S)				-170							
2482	Critical Value (0.05)				-1.645							
2483	Standard Deviation of S				79.47							
2484	Standardized Value of S				-2.127							
2485	Approximate p-value				0.0167							
2486												
2487	Approximate inference for Theil-Sen Trend Test											
2488	Number of Slopes				703							
2489	Theil-Sen Slope				-0.136							
2490	Theil-Sen Intercept				9985							
2491	M2'				416.9							
2492	One-sided 95% upper limit of Slope				-0.0467							
2493	95% LCL of Slope (0.025)				-0.241							
2494	95% UCL of Slope (0.975)				-0.0159							
2495												
2496	Statistically significant evidence of a decreasing											
2497	trend at the specified level of significance.											
2498												
2499	Theil-Sen Trend Test Estimates and Residuals											
2500	#	Events	Values	Estimates	Residuals							
2501	1	42326	4240	4240	0.181							
2502	2	42422	2400	4227	-1827							
2503	3	42521	4440	4213	226.7							
2504	4	42611	4360	4201	158.9							
2505	5	42692	4210	4190	19.86							
2506	6	42794	4290	4176	113.7							
2507	7	42885	4380	4164	216.1							
2508	8	42979	3140	4151	-1011							

	A	B	C	D	E	F	G	H	I	J	K	L
2509	9	43055	3730	4141	-410.9							
2510	10	43152	4240	4128	112.3							
2511	11	43249	4210	4115	95.48							
2512	12	43343	4190	4102	88.24							
2513	13	43430	4240	4090	150							
2514	14	43528	4180	4077	103.3							
2515	15	43607	4230	4066	164.1							
2516	16	43691	4240	4055	185.5							
2517	17	43790	3520	4041	-521.1							
2518	18	43878	3790	4029	-239.1							
2519	19	43971	3180	4017	-836.5							
2520	20	44067	3300	4003	-703.5							
2521	21	44153	3960	3992	-31.81							
2522	22	44251	3920	3979	-58.51							
2523	23	44334	4280	3967	312.8							
2524	24	44425	4100	3955	145.1							
2525	25	44516	3920	3943	-22.53							
2526	26	44616	3580	3929	-349							
2527	27	44699	4030	3918	112.3							
2528	28	44790	3030	3905	-875.3							
2529	29	44882	3280	3893	-612.9							
2530	30	44979	3690	3880	-189.7							
2531	31	45062	3760	3868	-108.4							
2532	32	45160	3990	3855	134.9							
2533	33	45250	4080	3843	237.1							
2534	34	45342	3780	3830	-50.41							
2535	35	45433	3400	3818	-418.1							
2536	36	45534	4100	3804	295.7							
2537	37	45616	5000	3793	1207							
2538	38	45715	3600	3780	-179.8							
2539	TDS-833-04											
2540												
2541	General Statistics											
2542	Number of Events				38							
2543	Number of Values Reported (n)				38							
2544	Number of Replicates				0							
2545	Minimum				2130							
2546	Maximum				3500							
2547	Mean				2789							
2548	Geometric Mean				2770							
2549	Median				2815							
2550	Standard Deviation				326.5							
2551	Coefficient of Variation				0.117							
2552												
2553	Mann-Kendall Statistics											
2554	M-K Test Value (S)				12							
2555	Critical Value (0.05)				1.645							
2556	Standard Deviation of S				79.47							
2557	Standardized Value of S				0.138							
2558	Approximate p-value				0.445							
2559												
2560	Approximate inference for Theil-Sen Trend Test											
2561	Number of Slopes				703							
2562	Theil-Sen Slope				0.00925							
2563	Theil-Sen Intercept				2408							
2564	M1				273.6							
2565	M2				429.4							
2566	95% LCL of Slope (0.025)				-0.106							
2567	95% UCL of Slope (0.975)				0.134							
2568												
2569	Insufficient evidence to identify a significant											
2570	trend at the specified level of significance.											
2571												
2572	Theil-Sen Trend Test Estimates and Residuals											
2573	#	Events	Values	Estimates	Residuals							
2574	1	42327	2310	2799	-489.3							

	A	B	C	D	E	F	G	H	I	J	K	L
2575	2	42422	2130	2800	-670.2							
2576	3	42517	2660	2801	-141.1							
2577	4	42611	3160	2802	358							
2578	5	42692	3300	2803	497.3							
2579	6	42795	3080	2804	276.3							
2580	7	42885	3000	2805	195.5							
2581	8	42978	2640	2805	-165.4							
2582	9	43059	2930	2806	123.9							
2583	10	43151	2390	2807	-417							
2584	11	43244	3010	2808	202.2							
2585	12	43347	3190	2809	381.2							
2586	13	43430	3230	2810	420.4							
2587	14	43528	2900	2810	89.54							
2588	15	43608	2800	2811	-11.2							
2589	16	43692	3170	2812	358							
2590	17	43789	2800	2813	-12.87							
2591	18	43878	2450	2814	-363.7							
2592	19	43971	2290	2815	-524.6							
2593	20	44067	2240	2815	-575.4							
2594	21	44153	2510	2816	-306.2							
2595	22	44250	2350	2817	-467.1							
2596	23	44333	2410	2818	-407.9							
2597	24	44425	2770	2819	-48.76							
2598	25	44515	2830	2820	10.41							
2599	26	44616	2860	2821	39.48							
2600	27	44697	3000	2821	178.7							
2601	28	44790	2390	2822	-432.1							
2602	29	44882	2870	2823	47.02							
2603	30	44978	2960	2824	136.1							
2604	31	45062	2650	2825	-174.6							
2605	32	45160	2970	2826	144.4							
2606	33	45250	3060	2826	233.6							
2607	34	45342	2870	2827	42.76							
2608	35	45433	2800	2828	-28.08							
2609	36	45533	2800	2829	-29.01							
2610	37	45616	3500	2830	670.2							
2611	38	45715	2700	2831	-130.7							
2612	TDS-833-05											
2613												
2614	General Statistics											
2615	Number of Events				38							
2616	Number of Values Reported (n)				38							
2617	Number of Replicates				0							
2618	Minimum				2720							
2619	Maximum				3620							
2620	Mean				3373							
2621	Geometric Mean				3366							
2622	Median				3460							
2623	Standard Deviation				206.2							
2624	Coefficient of Variation				0.0611							
2625												
2626	Mann-Kendall Statistics											
2627	M-K Test Value (S)				-81							
2628	Critical Value (0.05)				-1.645							
2629	Standard Deviation of S				79.43							
2630	Standardized Value of S				-1.007							
2631	Approximate p-value				0.157							
2632												
2633	Approximate inference for Theil-Sen Trend Test											
2634	Number of Slopes				703							
2635	Theil-Sen Slope				-0.0272							
2636	Theil-Sen Intercept				4659							
2637	M1				273.7							
2638	M2				429.3							
2639	95% LCL of Slope (0.025)				-0.0643							
2640	95% UCL of Slope (0.975)				0.0323							

	A	B	C	D	E	F	G	H	I	J	K	L
2641												
2642	Insufficient evidence to identify a significant											
2643	trend at the specified level of significance.											
2644												
2645	Theil-Sen Trend Test Estimates and Residuals											
2646	#	Events	Values	Estimates	Residuals							
2647	1	42326	2720	3506	-786.1							
2648	2	42419	3080	3504	-423.6							
2649	3	42516	3120	3501	-381							
2650	4	42611	3560	3498	61.63							
2651	5	42691	3560	3496	63.81							
2652	6	42795	3320	3493	-173.4							
2653	7	42886	3540	3491	49.13							
2654	8	42978	3350	3488	-138.4							
2655	9	43056	3330	3486	-156.2							
2656	10	43153	3530	3484	46.4							
2657	11	43244	3350	3481	-131.1							
2658	12	43343	3530	3478	51.58							
2659	13	43430	3530	3476	53.95							
2660	14	43529	3520	3473	46.65							
2661	15	43607	3430	3471	-41.23							
2662	16	43692	3600	3469	131.1							
2663	17	43789	3500	3466	33.73							
2664	18	43878	3620	3464	156.2							
2665	19	43970	3180	3461	-281.3							
2666	20	44068	3550	3459	91.34							
2667	21	44154	3460	3456	3.678							
2668	22	44252	3460	3454	6.349							
2669	23	44335	3460	3451	8.61							
2670	24	44425	3490	3449	41.06							
2671	25	44516	3510	3446	63.54							
2672	26	44630	3490	3443	46.65							
2673	27	44699	3500	3441	58.53							
2674	28	44791	3560	3439	121							
2675	29	44886	3190	3436	-246.4							
2676	30	44980	3300	3434	-133.8							
2677	31	45110	3120	3430	-310.3							
2678	32	45161	2960	3429	-468.9							
2679	33	45251	3000	3426	-426.4							
2680	34	45344	3240	3424	-183.9							
2681	35	45434	3400	3421	-21.44							
2682	36	45534	3500	3419	81.28							
2683	37	45617	3200	3416	-216.5							
2684	38	45716	3400	3414	-13.76							
2685	TDS-833-06											
2686												
2687	General Statistics											
2688	Number of Events				38							
2689	Number of Values Reported (n)				38							
2690	Number of Replicates				0							
2691	Minimum				2260							
2692	Maximum				3500							
2693	Mean				2659							
2694	Geometric Mean				2650							
2695	Median				2690							
2696	Standard Deviation				226							
2697	Coefficient of Variation				0.085							
2698												
2699	Mann-Kendall Statistics											
2700	M-K Test Value (S)				267							
2701	Critical Value (0.05)				1.645							
2702	Standard Deviation of S				79.43							
2703	Standardized Value of S				3.349							
2704	Approximate p-value				4.0567E-4							
2705												
2706	Approximate inference for Theil-Sen Trend Test											

	A	B	C	D	E	F	G	H	I	J	K	L
2707	Number of Slopes				703							
2708	Theil-Sen Slope				0.0942							
2709	Theil-Sen Intercept				-1456							
2710	M1'				286.2							
2711	One-sided 95% lower limit of Slope				0.0531							
2712	95% LCL of Slope (0.025)				0.0447							
2713	95% UCL of Slope (0.975)				0.142							
2714												
2715	Statistically significant evidence of an increasing											
2716	trend at the specified level of significance.											
2717												
2718	Theil-Sen Trend Test Estimates and Residuals											
2719	#	Events	Values	Estimates	Residuals							
2720	1	42327	2560	2531	29.32							
2721	2	42422	2300	2540	-239.6							
2722	3	42517	2380	2549	-168.6							
2723	4	42608	2640	2557	82.86							
2724	5	42691	2680	2565	115							
2725	6	42795	2740	2575	165.2							
2726	7	42886	2560	2583	-23.33							
2727	8	42979	2470	2592	-122.1							
2728	9	43055	2300	2599	-299.2							
2729	10	43153	2500	2608	-108.5							
2730	11	43249	2260	2618	-357.5							
2731	12	43347	2260	2627	-366.8							
2732	13	43431	2660	2635	25.34							
2733	14	43529	2710	2644	66.11							
2734	15	43608	2740	2651	88.67							
2735	16	43692	2760	2659	100.8							
2736	17	43789	2660	2668	-8.383							
2737	18	43878	2700	2677	23.23							
2738	19	43970	2790	2685	104.6							
2739	20	44067	2790	2695	95.43							
2740	21	44153	2800	2703	97.33							
2741	22	44250	2630	2712	-81.81							
2742	23	44334	2820	2720	100.3							
2743	24	44425	2680	2728	-48.29							
2744	25	44515	2850	2737	113.2							
2745	26	44615	2560	2746	-186.2							
2746	27	44697	2840	2754	86.09							
2747	28	44790	2860	2763	97.33							
2748	29	44882	2610	2771	-161.3							
2749	30	44978	2700	2780	-80.38							
2750	31	45061	2740	2788	-48.19							
2751	32	45159	2500	2797	-297.4							
2752	33	45250	2350	2806	-456							
2753	34	45342	2750	2815	-64.66							
2754	35	45433	2900	2823	76.77							
2755	36	45533	2800	2833	-32.65							
2756	37	45616	3500	2840	659.5							
2757	38	45714	2700	2850	-149.7							
2758	TDS-833-07											
2759												
2760	General Statistics											
2761	Number of Events				38							
2762	Number of Values Reported (n)				38							
2763	Number of Replicates				0							
2764	Minimum				3430							
2765	Maximum				5970							
2766	Mean				3981							
2767	Geometric Mean				3957							
2768	Median				3815							
2769	Standard Deviation				471							
2770	Coefficient of Variation				0.118							
2771												
2772	Mann-Kendall Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
2773	M-K Test Value (S)				46							
2774	Critical Value (0.05)				1.645							
2775	Standard Deviation of S				79.48							
2776	Standardized Value of S				0.566							
2777	Approximate p-value				0.286							
2778												
2779	Approximate inference for Theil-Sen Trend Test											
2780	Number of Slopes				703							
2781	Theil-Sen Slope				0.0352							
2782	Theil-Sen Intercept				2265							
2783	M1				273.6							
2784	M2				429.4							
2785	95% LCL of Slope (0.025)				-0.0924							
2786	95% UCL of Slope (0.975)				0.151							
2787												
2788	Insufficient evidence to identify a significant											
2789	trend at the specified level of significance.											
2790												
2791	Theil-Sen Trend Test Estimates and Residuals											
2792	#	Events	Values	Estimates	Residuals							
2793	1	42326	4150	3755	394.6							
2794	2	42418	4540	3759	781.4							
2795	3	42517	4620	3762	857.9							
2796	4	42611	5970	3765	2205							
2797	5	42691	4180	3768	411.8							
2798	6	42795	3990	3772	218.1							
2799	7	42885	4080	3775	304.9							
2800	8	42978	3630	3778	-148.3							
2801	9	43056	3540	3781	-241.1							
2802	10	43153	3760	3785	-24.51							
2803	11	43244	3670	3788	-117.7							
2804	12	43343	3800	3791	8.803							
2805	13	43430	3630	3794	-164.3							
2806	14	43528	3680	3798	-117.7							
2807	15	43607	3760	3800	-40.49							
2808	16	43692	3630	3803	-173.5							
2809	17	43789	3680	3807	-126.9							
2810	18	43878	3440	3810	-370							
2811	19	43970	3830	3813	16.73							
2812	20	44068	3750	3817	-66.73							
2813	21	44154	3670	3820	-149.8							
2814	22	44251	3430	3823	-393.2							
2815	23	44334	3680	3826	-146.1							
2816	24	44426	3700	3829	-129.3							
2817	25	44516	3790	3833	-42.5							
2818	26	44630	3580	3837	-256.5							
2819	27	44699	4170	3839	331.1							
2820	28	44791	4420	3842	577.8							
2821	29	44883	3950	3845	104.6							
2822	30	44979	3730	3849	-118.8							
2823	31	45062	4450	3852	598.3							
2824	32	45161	4620	3855	764.8							
2825	33	45251	4020	3858	161.6							
2826	34	45344	4120	3862	258.3							
2827	35	45442	4600	3865	734.9							
2828	36	45534	4100	3868	231.7							
2829	37	45617	4000	3871	128.7							
2830	38	45716	3900	3875	25.25							
2831	TDS-833-08											
2832												
2833	General Statistics											
2834	Number of Events				38							
2835	Number of Values Reported (n)				38							
2836	Number of Replicates				0							
2837	Minimum				2010							
2838	Maximum				4200							

	A	B	C	D	E	F	G	H	I	J	K	L
2839	Mean				3192							
2840	Geometric Mean				3165							
2841	Median				3185							
2842	Standard Deviation				414.1							
2843	Coefficient of Variation				0.13							
2844												
2845	Mann-Kendall Statistics											
2846	M-K Test Value (S)				129							
2847	Critical Value (0.05)				1.645							
2848	Standard Deviation of S				79.53							
2849	Standardized Value of S				1.609							
2850	Approximate p-value				0.0538							
2851												
2852	Approximate inference for Theil-Sen Trend Test											
2853	Number of Slopes				703							
2854	Theil-Sen Slope				0.115							
2855	Theil-Sen Intercept				-1868							
2856	M1				273.6							
2857	M2				429.4							
2858	95% LCL of Slope (0.025)				-0.0309							
2859	95% UCL of Slope (0.975)				0.218							
2860												
2861	Insufficient evidence to identify a significant											
2862	trend at the specified level of significance.											
2863												
2864	Theil-Sen Trend Test Estimates and Residuals											
2865	#	Events	Values	Estimates	Residuals							
2866	1	42326	2010	2991	-980.7							
2867	2	42419	3020	3001	18.63							
2868	3	42517	3080	3013	67.38							
2869	4	42611	3310	3023	286.6							
2870	5	42692	3720	3033	687.3							
2871	6	42795	3350	3045	305.5							
2872	7	42886	3230	3055	175							
2873	8	42979	3250	3066	184.3							
2874	9	43056	2970	3075	-104.5							
2875	10	43153	3030	3086	-55.64							
2876	11	43244	2980	3096	-116.1							
2877	12	43347	2820	3108	-287.9							
2878	13	43431	2950	3118	-167.6							
2879	14	43529	3040	3129	-88.8							
2880	15	43608	2980	3138	-157.9							
2881	16	43691	3010	3147	-137.4							
2882	17	43789	2930	3159	-228.7							
2883	18	43878	3110	3169	-58.87							
2884	19	43970	2860	3179	-319.4							
2885	20	44067	2650	3191	-540.6							
2886	21	44153	3450	3200	249.6							
2887	22	44251	4010	3212	798.3							
2888	23	44334	3540	3221	318.8							
2889	24	44426	2360	3232	-871.8							
2890	25	44516	3590	3242	347.9							
2891	26	44630	4200	3255	944.8							
2892	27	44699	3740	3263	476.9							
2893	28	44791	3650	3274	376.3							
2894	29	44883	2990	3284	-294.2							
2895	30	44979	3160	3295	-135.3							
2896	31	45062	3210	3305	-94.8							
2897	32	45160	3300	3316	-16.05							
2898	33	45251	3460	3326	133.5							
2899	34	45342	3340	3337	3.057							
2900	35	45434	2800	3348	-547.5							
2901	36	45533	3300	3359	-58.87							
2902	37	45617	3400	3369	31.49							
2903	38	45715	3500	3380	120.2							
2904	TDS-833-09											

	A	B	C	D	E	F	G	H	I	J	K	L
2905												
2906	General Statistics											
2907	Number of Events				38							
2908	Number of Values Reported (n)				38							
2909	Number of Replicates				0							
2910	Minimum				2740							
2911	Maximum				5040							
2912	Mean				3455							
2913	Geometric Mean				3413							
2914	Median				3305							
2915	Standard Deviation				561.7							
2916	Coefficient of Variation				0.163							
2917												
2918	Mann-Kendall Statistics											
2919	M-K Test Value (S)				4							
2920	Critical Value (0.05)				1.645							
2921	Standard Deviation of S				79.47							
2922	Standardized Value of S				0.0378							
2923	Approximate p-value				0.485							
2924												
2925	Approximate inference for Theil-Sen Trend Test											
2926	Number of Slopes				703							
2927	Theil-Sen Slope				0							
2928	Theil-Sen Intercept				3305							
2929	M1				273.6							
2930	M2				429.4							
2931	95% LCL of Slope (0.025)				-0.263							
2932	95% UCL of Slope (0.975)				0.187							
2933												
2934	Insufficient evidence to identify a significant											
2935	trend at the specified level of significance.											
2936												
2937	Theil-Sen Trend Test Estimates and Residuals											
2938	#	Events	Values	Estimates	Residuals							
2939	1	42326	3860	3305	555							
2940	2	42419	3880	3305	575							
2941	3	42516	3510	3305	205							
2942	4	42608	3440	3305	135							
2943	5	42691	3410	3305	105							
2944	6	42794	3440	3305	135							
2945	7	42885	3410	3305	105							
2946	8	42978	3190	3305	-115							
2947	9	43055	2740	3305	-565							
2948	10	43152	3200	3305	-105							
2949	11	43244	3110	3305	-195							
2950	12	43347	3140	3305	-165							
2951	13	43430	3140	3305	-165							
2952	14	43528	3130	3305	-175							
2953	15	43607	2930	3305	-375							
2954	16	43691	3030	3305	-275							
2955	17	43790	3110	3305	-195							
2956	18	43879	3100	3305	-205							
2957	19	43970	2870	3305	-435							
2958	20	44068	2970	3305	-335							
2959	21	44154	2750	3305	-555							
2960	22	44252	2740	3305	-565							
2961	23	44335	2760	3305	-545							
2962	24	44426	4340	3305	1035							
2963	25	44517	3990	3305	685							
2964	26	44630	4160	3305	855							
2965	27	44700	4700	3305	1395							
2966	28	44791	5040	3305	1735							
2967	29	44886	4260	3305	955							
2968	30	44980	4160	3305	855							
2969	31	45063	4100	3305	795							
2970	32	45161	3560	3305	255							

	A	B	C	D	E	F	G	H	I	J	K	L
2971	33	45257	3500	3305	195							
2972	34	45344	3510	3305	205							
2973	35	45442	3600	3305	295							
2974	36	45534	3200	3305	-105							
2975	37	45618	3200	3305	-105							
2976	38	45716	3100	3305	-205							
2977	TDS-833-10											
2978												
2979	General Statistics											
2980	Number of Events				38							
2981	Number of Values Reported (n)				38							
2982	Number of Replicates				0							
2983	Minimum				2060							
2984	Maximum				2870							
2985	Mean				2639							
2986	Geometric Mean				2635							
2987	Median				2655							
2988	Standard Deviation				153.1							
2989	Coefficient of Variation				0.058							
2990												
2991	Mann-Kendall Statistics											
2992	M-K Test Value (S)				266							
2993	Critical Value (0.05)				1.645							
2994	Standard Deviation of S				79.45							
2995	Standardized Value of S				3.336							
2996	Approximate p-value				4.2571E-4							
2997												
2998	Approximate inference for Theil-Sen Trend Test											
2999	Number of Slopes				703							
3000	Theil-Sen Slope				0.0762							
3001	Theil-Sen Intercept				-700.5							
3002	M1'				286.2							
3003	One-sided 95% lower limit of Slope				0.0422							
3004	95% LCL of Slope (0.025)				0.0363							
3005	95% UCL of Slope (0.975)				0.115							
3006												
3007	Statistically significant evidence of an increasing											
3008	trend at the specified level of significance.											
3009												
3010	Theil-Sen Trend Test Estimates and Residuals											
3011	#	Events	Values	Estimates	Residuals							
3012	1	42326	2580	2526	54.09							
3013	2	42419	2550	2533	17							
3014	3	42516	2680	2540	139.6							
3015	4	42608	2660	2547	112.6							
3016	5	42691	2620	2554	66.27							
3017	6	42795	2670	2562	108.3							
3018	7	42885	2560	2569	-8.521							
3019	8	42978	2430	2576	-145.6							
3020	9	43055	2060	2581	-521.5							
3021	10	43153	2480	2589	-108.9							
3022	11	43244	2510	2596	-85.89							
3023	12	43343	2540	2603	-63.43							
3024	13	43430	2520	2610	-90.06							
3025	14	43528	2520	2618	-97.53							
3026	15	43607	2560	2624	-63.56							
3027	16	43691	2560	2630	-69.96							
3028	17	43790	2630	2638	-7.506							
3029	18	43879	2630	2644	-14.29							
3030	19	43971	2690	2651	38.7							
3031	20	44068	2710	2659	51.3							
3032	21	44154	2650	2665	-15.25							
3033	22	44252	2590	2673	-82.72							
3034	23	44335	2750	2679	70.95							
3035	24	44426	2750	2686	64.01							
3036	25	44517	2800	2693	107.1							

	A	B	C	D	E	F	G	H	I	J	K	L
3037	26	44620	2830	2701	129.2							
3038	27	44700	2870	2707	163.1							
3039	28	44792	2830	2714	116.1							
3040	29	44886	2830	2721	108.9							
3041	30	44980	2790	2728	61.78							
3042	31	45063	2790	2735	55.46							
3043	32	45162	2740	2742	-2.089							
3044	33	45257	2770	2749	20.67							
3045	34	45344	2750	2756	-5.962							
3046	35	45442	2700	2763	-63.43							
3047	36	45538	2700	2771	-70.75							
3048	37	45618	2400	2777	-376.8							
3049	38	45716	2600	2784	-184.3							
3050	TDS-86/340-01											
3051												
3052	General Statistics											
3053	Number of Events				38							
3054	Number of Values Reported (n)				38							
3055	Number of Replicates				0							
3056	Minimum				1670							
3057	Maximum				2410							
3058	Mean				2114							
3059	Geometric Mean				2108							
3060	Median				2180							
3061	Standard Deviation				163.1							
3062	Coefficient of Variation				0.0771							
3063												
3064	Mann-Kendall Statistics											
3065	M-K Test Value (S)				199							
3066	Critical Value (0.05)				1.645							
3067	Standard Deviation of S				79.38							
3068	Standardized Value of S				2.494							
3069	Approximate p-value				0.00631							
3070												
3071	Approximate inference for Theil-Sen Trend Test											
3072	Number of Slopes				703							
3073	Theil-Sen Slope				0.111							
3074	Theil-Sen Intercept				-2710							
3075	M1'				286.2							
3076	One-sided 95% lower limit of Slope				0.026							
3077	95% LCL of Slope (0.025)				0.0144							
3078	95% UCL of Slope (0.975)				0.16							
3079												
3080	Statistically significant evidence of an increasing											
3081	trend at the specified level of significance.											
3082												
3083	Theil-Sen Trend Test Estimates and Residuals											
3084	#	Events	Values	Estimates	Residuals							
3085	1	42318	2260	1992	268.3							
3086	2	42415	2300	2003	297.5							
3087	3	42509	2220	2013	207.1							
3088	4	42605	2210	2024	186.4							
3089	5	42684	2200	2032	167.6							
3090	6	42782	2240	2043	196.7							
3091	7	42873	2410	2053	356.6							
3092	8	42958	2030	2063	-32.83							
3093	9	43048	1670	2073	-402.8							
3094	10	43143	1920	2083	-163.4							
3095	11	43241	1890	2094	-204.3							
3096	12	43326	1890	2104	-213.7							
3097	13	43420	1900	2114	-214.2							
3098	14	43521	1910	2125	-215.4							
3099	15	43601	1930	2134	-204.3							
3100	16	43684	1940	2144	-203.5							
3101	17	43784	2010	2155	-144.6							
3102	18	43868	1990	2164	-173.9							

	A	B	C	D	E	F	G	H	I	J	K	L
3103	19	43969	2010	2175	-165.2							
3104	20	44056	2030	2185	-154.8							
3105	21	44146	2080	2195	-114.8							
3106	22	44242	2120	2206	-85.5							
3107	23	44322	1890	2214	-324.4							
3108	24	44417	2190	2225	-34.94							
3109	25	44504	2190	2235	-44.61							
3110	26	44606	2170	2246	-75.94							
3111	27	44686	2150	2255	-104.8							
3112	28	44781	2190	2265	-75.39							
3113	29	44872	2190	2276	-85.5							
3114	30	44965	2210	2286	-75.83							
3115	31	45051	2220	2295	-75.39							
3116	32	45146	2280	2306	-25.94							
3117	33	45238	2250	2316	-66.17							
3118	34	45331	2160	2327	-166.5							
3119	35	45425	2200	2337	-136.9							
3120	36	45523	2300	2348	-47.83							
3121	37	45607	2300	2357	-57.17							
3122	38	45706	2300	2368	-68.17							
3123	TDS-dad-01											
3124												
3125	General Statistics											
3126	Number of Events				38							
3127	Number of Values Reported (n)				38							
3128	Number of Replicates				0							
3129	Minimum				819							
3130	Maximum				1770							
3131	Mean				1498							
3132	Geometric Mean				1484							
3133	Median				1520							
3134	Standard Deviation				191.8							
3135	Coefficient of Variation				0.128							
3136												
3137	Mann-Kendall Statistics											
3138	M-K Test Value (S)				-252							
3139	Critical Value (0.05)				-1.645							
3140	Standard Deviation of S				79.32							
3141	Standardized Value of S				-3.164							
3142	Approximate p-value				7.7725E-4							
3143												
3144	Approximate inference for Theil-Sen Trend Test											
3145	Number of Slopes				703							
3146	Theil-Sen Slope				-0.0883							
3147	Theil-Sen Intercept				5406							
3148	M2'				416.7							
3149	One-sided 95% upper limit of Slope				-0.0458							
3150	95% LCL of Slope (0.025)				-0.142							
3151	95% UCL of Slope (0.975)				-0.0381							
3152												
3153	Statistically significant evidence of a decreasing											
3154	trend at the specified level of significance.											
3155												
3156	Theil-Sen Trend Test Estimates and Residuals											
3157	#	Events	Values	Estimates	Residuals							
3158	1	42331	1680	1670	10.47							
3159	2	42425	1770	1661	108.8							
3160	3	42523	1730	1653	77.41							
3161	4	42619	1580	1644	-64.11							
3162	5	42704	1690	1637	53.39							
3163	6	42801	1620	1628	-8.045							
3164	7	42894	1600	1620	-19.84							
3165	8	42971	1560	1613	-53.04							
3166	9	43059	1500	1605	-105.3							
3167	10	43157	1520	1597	-76.62							
3168	11	43251	1310	1588	-278.3							

	A	B	C	D	E	F	G	H	I	J	K	L
3169	12	43336	1350	1581	-230.8							
3170	13	43432	1430	1572	-142.3							
3171	14	43529	1690	1564	126.2							
3172	15	43607	1420	1557	-136.9							
3173	16	43696	1520	1549	-29.04							
3174	17	43802	1500	1540	-39.68							
3175	18	43882	1740	1533	207.4							
3176	19	43980	1420	1524	-104							
3177	20	44070	1390	1516	-126							
3178	21	44165	1640	1508	132.4							
3179	22	44256	1660	1500	160.4							
3180	23	44348	1510	1491	18.51							
3181	24	44433	1520	1484	36.02							
3182	25	44523	819	1476	-657							
3183	26	44623	1750	1467	282.8							
3184	27	44705	1530	1460	70.03							
3185	28	44797	1520	1452	68.15							
3186	29	44896	1520	1443	76.89							
3187	30	44987	1690	1435	254.9							
3188	31	45071	1460	1428	32.33							
3189	32	45168	1310	1419	-109.1							
3190	33	45265	1450	1411	39.46							
3191	34	45352	1520	1403	117.1							
3192	35	45449	1400	1394	5.7							
3193	36	45544	1300	1386	-85.91							
3194	37	45630	1100	1378	-278.3							
3195	38	45723	1200	1370	-170.1							
3196	TDS-dad-02											
3197												
3198	General Statistics											
3199	Number of Events				37							
3200	Number of Values Reported (n)				37							
3201	Number of Replicates				0							
3202	Minimum				1070							
3203	Maximum				2300							
3204	Mean				1509							
3205	Geometric Mean				1469							
3206	Median				1480							
3207	Standard Deviation				371.9							
3208	Coefficient of Variation				0.246							
3209												
3210	Mann-Kendall Statistics											
3211	M-K Test Value (S)				47							
3212	Critical Value (0.05)				1.645							
3213	Standard Deviation of S				76.4							
3214	Standardized Value of S				0.602							
3215	Approximate p-value				0.274							
3216												
3217	Approximate inference for Theil-Sen Trend Test											
3218	Number of Slopes				666							
3219	Theil-Sen Slope				0.0409							
3220	Theil-Sen Intercept				-316.7							
3221	M1				258.1							
3222	M2				407.9							
3223	95% LCL of Slope (0.025)				-0.1							
3224	95% UCL of Slope (0.975)				0.246							
3225												
3226	Insufficient evidence to identify a significant											
3227	trend at the specified level of significance.											
3228												
3229	Theil-Sen Trend Test Estimates and Residuals											
3230	#	Events	Values	Estimates	Residuals							
3231	1	42331	1600	1413	187.4							
3232	2	42425	1480	1416	63.52							
3233	3	42523	1470	1420	49.52							
3234	4	42619	1460	1424	35.6							

	A	B	C	D	E	F	G	H	I	J	K	L
3235	5	42704	1610	1428	182.1							
3236	6	42801	1650	1432	218.2							
3237	7	42894	1570	1436	134.4							
3238	8	42971	1580	1439	141.2							
3239	9	43059	1500	1442	57.62							
3240	10	43157	1640	1446	193.6							
3241	11	43251	1570	1450	119.8							
3242	12	43336	1440	1454	-13.69							
3243	13	43432	1410	1458	-47.61							
3244	14	43529	1350	1462	-111.6							
3245	15	43607	1220	1465	-244.8							
3246	16	43696	1140	1468	-328.4							
3247	17	43803	1180	1473	-292.8							
3248	18	43882	1240	1476	-236							
3249	19	43980	1070	1480	-410							
3250	20	44071	1110	1484	-373.7							
3251	21	44166	1090	1488	-397.6							
3252	22	44257	1110	1491	-381.3							
3253	23	44350	1070	1495	-425.1							
3254	24	44434	1090	1499	-408.5							
3255	25	44530	1140	1502	-362.5							
3256	26	44636	1230	1507	-276.8							
3257	27	44706	1280	1510	-229.7							
3258	28	44799	1540	1513	26.54							
3259	29	44900	1560	1518	42.42							
3260	30	44988	1480	1521	-41.18							
3261	31	45072	1610	1525	85.39							
3262	32	45174	2070	1529	541.2							
3263	33	45266	2290	1533	757.5							
3264	34	45355	2200	1536	663.8							
3265	35	45450	2200	1540	659.9							
3266	36	45545	2300	1544	756.1							
3267	37	45727	2300	1551	748.6							
3268	TDS-dad-03											
3269												
3270	General Statistics											
3271	Number of Events				37							
3272	Number of Values Reported (n)				37							
3273	Number of Replicates				0							
3274	Minimum				1530							
3275	Maximum				2820							
3276	Mean				2024							
3277	Geometric Mean				1998							
3278	Median				2070							
3279	Standard Deviation				330.4							
3280	Coefficient of Variation				0.163							
3281												
3282	Mann-Kendall Statistics											
3283	M-K Test Value (S)				-298							
3284	Critical Value (0.05)				-1.645							
3285	Standard Deviation of S				76.4							
3286	Standardized Value of S				-3.887							
3287	Approximate p-value				5.0681E-5							
3288												
3289	Approximate inference for Theil-Sen Trend Test											
3290	Number of Slopes				666							
3291	Theil-Sen Slope				-0.217							
3292	Theil-Sen Intercept				11635							
3293	M2'				395.8							
3294	One-sided 95% upper limit of Slope				-0.146							
3295	95% LCL of Slope (0.025)				-0.301							
3296	95% UCL of Slope (0.975)				-0.128							
3297												
3298	Statistically significant evidence of a decreasing											
3299	trend at the specified level of significance.											
3300												

	A	B	C	D	E	F	G	H	I	J	K	L
3301	Theil-Sen Trend Test Estimates and Residuals											
3302	#	Events	Values	Estimates	Residuals							
3303	1	42331	2440	2429	10.72							
3304	2	42425	2340	2409	-68.83							
3305	3	42523	2410	2388	22.48							
3306	4	42619	2520	2367	153.4							
3307	5	42704	2820	2348	471.8							
3308	6	42801	2570	2327	242.9							
3309	7	42894	2110	2307	-196.8							
3310	8	42971	2240	2290	-50.09							
3311	9	43059	2060	2271	-211							
3312	10	43157	2220	2250	-29.64							
3313	11	43251	1930	2229	-299.2							
3314	12	43336	2520	2211	309.3							
3315	13	43432	2110	2190	-79.83							
3316	14	43529	2180	2169	11.26							
3317	15	43607	2050	2152	-101.8							
3318	16	43696	2140	2132	7.584							
3319	17	43803	1880	2109	-229.1							
3320	18	43882	2090	2092	-1.965							
3321	19	43983	1530	2070	-540							
3322	20	44074	1620	2050	-430.2							
3323	21	44166	1530	2030	-500.2							
3324	22	44257	1560	2010	-450.4							
3325	23	44350	1660	1990	-330.2							
3326	24	44434	1980	1972	8.083							
3327	25	44531	2070	1951	119.2							
3328	26	44636	2070	1928	142							
3329	27	44707	2330	1913	417.5							
3330	28	44799	1700	1893	-192.5							
3331	29	44900	1610	1871	-260.6							
3332	30	44991	1780	1851	-70.78							
3333	31	45072	1770	1833	-63.17							
3334	32	45174	2070	1811	259							
3335	33	45267	1580	1791	-210.8							
3336	34	45355	1800	1772	28.38							
3337	35	45453	1700	1750	-50.31							
3338	36	45545	2100	1730	369.7							
3339	37	45727	1800	1691	109.3							
3340	TDS-dad-04											
3341												
3342	General Statistics											
3343	Number of Events				35							
3344	Number of Values Reported (n)				35							
3345	Number of Replicates				0							
3346	Minimum				826							
3347	Maximum				2510							
3348	Mean				1928							
3349	Geometric Mean				1881							
3350	Median				1950							
3351	Standard Deviation				387.6							
3352	Coefficient of Variation				0.201							
3353												
3354	Mann-Kendall Statistics											
3355	M-K Test Value (S)				273							
3356	Critical Value (0.05)				1.645							
3357	Standard Deviation of S				70.39							
3358	Standardized Value of S				3.864							
3359	Approximate p-value				5.5693E-5							
3360												
3361	Approximate inference for Theil-Sen Trend Test											
3362	Number of Slopes				595							
3363	Theil-Sen Slope				0.21							
3364	Theil-Sen Intercept				-7285							
3365	M1'				239.6							
3366	One-sided 95% lower limit of Slope				0.149							

	A	B	C	D	E	F	G	H	I	J	K	L
3367	95% LCL of Slope (0.025)				0.135							
3368	95% UCL of Slope (0.975)				0.297							
3369												
3370	Statistically significant evidence of an increasing trend at the specified level of significance.											
3371												
3372												
3373	Theil-Sen Trend Test Estimates and Residuals											
3374	#	Events	Values	Estimates	Residuals							
3375	1	42331	1690	1624	66.41							
3376	2	42425	1730	1643	86.63							
3377	3	42523	2060	1664	396							
3378	4	42619	1830	1684	145.8							
3379	5	42706	2040	1703	337.5							
3380	6	42801	1760	1723	37.5							
3381	7	42894	1800	1742	57.92							
3382	8	42971	1920	1758	161.7							
3383	9	43059	900	1777	-876.8							
3384	10	43157	1520	1797	-277.4							
3385	11	43251	1710	1817	-107.2							
3386	12	43336	1700	1835	-135.1							
3387	13	43432	1770	1855	-85.3							
3388	14	43529	1820	1876	-55.71							
3389	15	43608	1720	1892	-172.3							
3390	16	43696	1770	1911	-140.9							
3391	17	43803	2020	1933	86.63							
3392	18	43882	1950	1950	0							
3393	19	43983	1940	1971	-31.26							
3394	20	44074	2000	1990	9.594							
3395	21	44167	2120	2010	110							
3396	22	44257	2270	2029	241.1							
3397	23	44350	2300	2048	251.5							
3398	24	44439	2390	2067	322.8							
3399	25	44531	2190	2087	103.4							
3400	26	44636	2510	2109	401.3							
3401	27	44707	1340	2124	-783.6							
3402	28	44804	826	2144	-1318							
3403	29	44901	2020	2164	-144.4							
3404	30	45175	2240	2222	17.89							
3405	31	45267	2130	2241	-111.5							
3406	32	45356	2200	2260	-60.2							
3407	33	45453	2300	2281	19.38							
3408	34	45546	2500	2300	199.8							
3409	35	45727	2500	2338	161.7							
3410	TDS-dad-05											
3411												
3412	General Statistics											
3413	Number of Events				37							
3414	Number of Values Reported (n)				37							
3415	Number of Replicates				0							
3416	Minimum				785							
3417	Maximum				2850							
3418	Mean				1879							
3419	Geometric Mean				1747							
3420	Median				1930							
3421	Standard Deviation				667.8							
3422	Coefficient of Variation				0.355							
3423												
3424	Mann-Kendall Statistics											
3425	M-K Test Value (S)				-394							
3426	Critical Value (0.05)				-1.645							
3427	Standard Deviation of S				76.43							
3428	Standardized Value of S				-5.142							
3429	Approximate p-value				1.3609E-7							
3430												
3431	Approximate inference for Theil-Sen Trend Test											
3432	Number of Slopes				666							

	A	B	C	D	E	F	G	H	I	J	K	L
3433	Theil-Sen Slope				-0.558							
3434	Theil-Sen Intercept				26465							
3435	M2'				395.9							
3436	One-sided 95% upper limit of Slope				-0.444							
3437	95% LCL of Slope (0.025)				-0.699							
3438	95% UCL of Slope (0.975)				-0.409							
3439												
3440	Statistically significant evidence of a decreasing											
3441	trend at the specified level of significance.											
3442												
3443	Theil-Sen Trend Test Estimates and Residuals											
3444	#	Events	Values	Estimates	Residuals							
3445	1	42331	2100	2852	-751.5							
3446	2	42425	2660	2799	-139.1							
3447	3	42523	2710	2744	-34.43							
3448	4	42619	2480	2691	-210.9							
3449	5	42706	2840	2642	197.7							
3450	6	42801	2150	2589	-439.3							
3451	7	42894	2850	2537	312.5							
3452	8	42972	1970	2494	-524							
3453	9	43066	2720	2442	278.5							
3454	10	43157	2720	2391	329.2							
3455	11	43251	2750	2338	411.7							
3456	12	43336	2820	2291	529.1							
3457	13	43433	2570	2237	333.2							
3458	14	43529	2260	2183	76.75							
3459	15	43608	2190	2139	50.82							
3460	16	43699	1930	2088	-158.4							
3461	17	43804	1550	2030	-479.9							
3462	18	43882	2030	1986	43.66							
3463	19	43983	1550	1930	-380							
3464	20	44074	1370	1879	-509.2							
3465	21	44167	1660	1827	-167.4							
3466	22	44259	1630	1776	-146							
3467	23	44354	1890	1723	167							
3468	24	44441	2370	1675	695.5							
3469	25	44536	1950	1622	328.5							
3470	26	44637	1840	1565	274.8							
3471	27	44712	1610	1523	86.65							
3472	28	44816	785	1465	-680.3							
3473	29	44903	900	1417	-516.8							
3474	30	44993	830	1367	-536.6							
3475	31	45078	785	1319	-534.2							
3476	32	45180	872	1262	-390.3							
3477	33	45272	1180	1211	-30.96							
3478	34	45358	1300	1163	137							
3479	35	45455	1400	1109	291.1							
3480	36	45551	910	1055	-145.3							
3481	37	45729	1400	956	444							
3482	TDS-dad-06r											
3483												
3484	General Statistics											
3485	Number of Events				10							
3486	Number of Values Reported (n)				10							
3487	Number of Replicates				0							
3488	Minimum				347							
3489	Maximum				726							
3490	Mean				645.9							
3491	Geometric Mean				633.5							
3492	Median				693							
3493	Standard Deviation				115.2							
3494	Coefficient of Variation				0.178							
3495												
3496	Mann-Kendall Statistics											
3497	M-K Test Value (S)				11							
3498	Tabulated p-value				0.19							

	A	B	C	D	E	F	G	H	I	J	K	L
3499	Standard Deviation of S				11.18							
3500	Standardized Value of S				0.894							
3501	Approximate p-value				0.186							
3502												
3503	Approximate inference for Theil-Sen Trend Test											
3504	Number of Slopes				45							
3505	Theil-Sen Slope				0.105							
3506	Theil-Sen Intercept				-4052							
3507	M1				11.54							
3508	M2				33.46							
3509	95% LCL of Slope (0.025)				-0.0766							
3510	95% UCL of Slope (0.975)				0.237							
3511												
3512	Insufficient evidence to identify a significant											
3513	trend at the specified level of significance.											
3514												
3515	Theil-Sen Trend Test Estimates and Residuals											
3516	#	Events	Values	Estimates	Residuals							
3517	1	44901	696	650	46.04							
3518	2	44992	610	659.5	-49.49							
3519	3	45076	580	668.3	-88.29							
3520	4	45175	726	678.7	47.35							
3521	5	45268	347	688.4	-341.4							
3522	6	45356	690	697.6	-7.607							
3523	7	45454	680	707.9	-27.87							
3524	8	45547	710	717.6	-7.607							
3525	9	45632	720	726.5	-6.508							
3526	10	45728	700	736.6	-36.56							
3527	TDS-dad-07											
3528												
3529	General Statistics											
3530	Number of Events				38							
3531	Number of Values Reported (n)				38							
3532	Number of Replicates				0							
3533	Minimum				1800							
3534	Maximum				4500							
3535	Mean				2463							
3536	Geometric Mean				2377							
3537	Median				2175							
3538	Standard Deviation				748.9							
3539	Coefficient of Variation				0.304							
3540												
3541	Mann-Kendall Statistics											
3542	M-K Test Value (S)				387							
3543	Critical Value (0.05)				1.645							
3544	Standard Deviation of S				79.49							
3545	Standardized Value of S				4.856							
3546	Approximate p-value				5.9943E-7							
3547												
3548	Approximate inference for Theil-Sen Trend Test											
3549	Number of Slopes				703							
3550	Theil-Sen Slope				0.314							
3551	Theil-Sen Intercept				-11667							
3552	M1'				286.1							
3553	One-sided 95% lower limit of Slope				0.195							
3554	95% LCL of Slope (0.025)				0.174							
3555	95% UCL of Slope (0.975)				0.503							
3556												
3557	Statistically significant evidence of an increasing											
3558	trend at the specified level of significance.											
3559												
3560	Theil-Sen Trend Test Estimates and Residuals											
3561	#	Events	Values	Estimates	Residuals							
3562	1	42338	2020	1643	377.2							
3563	2	42430	2020	1672	348.3							
3564	3	42529	1820	1703	117.2							

	A	B	C	D	E	F	G	H	I	J	K	L
3565	4	42620	1940	1731	208.6							
3566	5	42709	1820	1759	60.58							
3567	6	42804	1800	1789	10.72							
3568	7	42892	2030	1817	213.1							
3569	8	42975	2040	1843	197							
3570	9	43067	2160	1872	288							
3571	10	43158	2530	1901	629.4							
3572	11	43252	2260	1930	329.9							
3573	12	43339	2060	1957	102.5							
3574	13	43433	1980	1987	-7.014							
3575	14	43532	2050	2018	31.86							
3576	15	43609	2140	2042	97.66							
3577	16	43698	2190	2070	119.7							
3578	17	43804	2140	2104	36.36							
3579	18	43886	2190	2129	60.58							
3580	19	43985	2310	2161	149.5							
3581	20	44077	2520	2189	330.5							
3582	21	44169	2550	2218	331.6							
3583	22	44258	2420	2246	173.6							
3584	23	44351	2340	2276	64.41							
3585	24	44440	2310	2304	6.427							
3586	25	44537	2200	2334	-134.1							
3587	26	44642	2160	2367	-207.1							
3588	27	44713	2000	2389	-389.4							
3589	28	44817	1890	2422	-532.1							
3590	29	44902	2060	2449	-388.8							
3591	30	44994	2120	2478	-357.7							
3592	31	45082	2400	2505	-105.4							
3593	32	45175	2800	2535	265.4							
3594	33	45273	3220	2565	654.6							
3595	34	45359	3900	2592	1308							
3596	35	45456	4300	2623	1677							
3597	36	45552	4300	2653	1647							
3598	37	45636	4500	2680	1820							
3599	38	45730	4100	2709	1391							
3600	TDS-dad-08											
3601												
3602	General Statistics											
3603	Number of Events				38							
3604	Number of Values Reported (n)				38							
3605	Number of Replicates				0							
3606	Minimum				3900							
3607	Maximum				6480							
3608	Mean				4916							
3609	Geometric Mean				4874							
3610	Median				4830							
3611	Standard Deviation				653.3							
3612	Coefficient of Variation				0.133							
3613												
3614	Mann-Kendall Statistics											
3615	M-K Test Value (S)				-467							
3616	Critical Value (0.05)				-1.645							
3617	Standard Deviation of S				79.54							
3618	Standardized Value of S				-5.859							
3619	Approximate p-value				2.3352E-9							
3620												
3621	Approximate inference for Theil-Sen Trend Test											
3622	Number of Slopes				703							
3623	Theil-Sen Slope				-0.559							
3624	Theil-Sen Intercept				29433							
3625	M2'				416.9							
3626	One-sided 95% upper limit of Slope				-0.49							
3627	95% LCL of Slope (0.025)				-0.641							
3628	95% UCL of Slope (0.975)				-0.465							
3629												
3630	Statistically significant evidence of a decreasing											

	A	B	C	D	E	F	G	H	I	J	K	L
3631	trend at the specified level of significance.											
3632												
3633	Theil-Sen Trend Test Estimates and Residuals											
3634	#	Events	Values	Estimates	Residuals							
3635	1	42331	5980	5779	200.6							
3636	2	42425	5740	5727	13.16							
3637	3	42523	5840	5672	167.9							
3638	4	42619	5940	5618	321.6							
3639	5	42706	5800	5570	230.2							
3640	6	42801	5420	5517	-96.74							
3641	7	42894	5140	5465	-324.8							
3642	8	42972	6480	5421	1059							
3643	9	43066	4290	5369	-1079							
3644	10	43157	4710	5318	-607.8							
3645	11	43251	5400	5265	134.7							
3646	12	43336	5680	5218	462.2							
3647	13	43433	4760	5164	-403.6							
3648	14	43529	5460	5110	350.1							
3649	15	43608	5540	5066	474.2							
3650	16	43696	5270	5017	253.4							
3651	17	43803	4920	4957	-36.84							
3652	18	43882	4930	4913	17.3							
3653	19	43984	5070	4856	214.3							
3654	20	44076	4770	4804	-34.3							
3655	21	44168	4660	4753	-92.89							
3656	22	44258	4880	4703	177.4							
3657	23	44354	5040	4649	391							
3658	24	44441	4580	4600	-20.34							
3659	25	44536	4490	4547	-57.26							
3660	26	44638	4520	4490	29.74							
3661	27	44712	4700	4449	251.1							
3662	28	44816	4780	4391	389.2							
3663	29	44903	3960	4342	-382.2							
3664	30	44993	4260	4292	-31.89							
3665	31	45082	4240	4242	-2.163							
3666	32	45181	4150	4187	-36.84							
3667	33	45273	4100	4135	-35.44							
3668	34	45359	4300	4087	212.6							
3669	35	45455	4900	4034	866.3							
3670	36	45551	4200	3980	219.9							
3671	37	45632	3900	3935	-34.83							
3672	38	45729	4000	3881	119.4							
3673	TDS-dad-09											
3674												
3675	General Statistics											
3676	Number of Events				38							
3677	Number of Values Reported (n)				38							
3678	Number of Replicates				0							
3679	Minimum				785							
3680	Maximum				3410							
3681	Mean				2159							
3682	Geometric Mean				2071							
3683	Median				2005							
3684	Standard Deviation				606							
3685	Coefficient of Variation				0.281							
3686												
3687	Mann-Kendall Statistics											
3688	M-K Test Value (S)				-215							
3689	Critical Value (0.05)				-1.645							
3690	Standard Deviation of S				79.5							
3691	Standardized Value of S				-2.692							
3692	Approximate p-value				0.00355							
3693												
3694	Approximate inference for Theil-Sen Trend Test											
3695	Number of Slopes				703							
3696	Theil-Sen Slope				-0.2							

	A	B	C	D	E	F	G	H	I	J	K	L
3697	Theil-Sen Intercept				10822							
3698	M2'				416.9							
3699	One-sided 95% upper limit of Slope				-0.0726							
3700	95% LCL of Slope (0.025)				-0.377							
3701	95% UCL of Slope (0.975)				-0.0484							
3702												
3703	Statistically significant evidence of a decreasing											
3704	trend at the specified level of significance.											
3705												
3706	Theil-Sen Trend Test Estimates and Residuals											
3707	#	Events	Values	Estimates	Residuals							
3708	1	42331	1940	2345	-405.4							
3709	2	42429	2050	2326	-275.8							
3710	3	42527	2240	2306	-66.17							
3711	4	42620	2280	2288	-7.542							
3712	5	42710	2470	2270	200.5							
3713	6	42804	2530	2251	279.3							
3714	7	42895	3300	2232	1068							
3715	8	42970	2050	2217	-167.5							
3716	9	43067	2290	2198	91.97							
3717	10	43159	2560	2180	380.4							
3718	11	43255	2690	2160	529.6							
3719	12	43339	2910	2144	766.4							
3720	13	43434	3080	2125	955.5							
3721	14	43531	3290	2105	1185							
3722	15	43609	3410	2090	1320							
3723	16	43698	3380	2072	1308							
3724	17	43805	1340	2050	-710.3							
3725	18	43880	2230	2035	194.8							
3726	19	43985	2350	2014	335.8							
3727	20	44077	1720	1996	-275.8							
3728	21	44172	1840	1977	-136.8							
3729	22	44263	1900	1959	-58.54							
3730	23	44344	1800	1942	-142.3							
3731	24	44442	785	1923	-1138							
3732	25	44537	1540	1904	-363.7							
3733	26	44642	1860	1883	-22.65							
3734	27	44713	1960	1868	91.57							
3735	28	44817	1960	1848	112.4							
3736	29	44904	1920	1830	89.81							
3737	30	44994	1880	1812	67.83							
3738	31	45083	1890	1794	95.66							
3739	32	45182	1640	1775	-134.5							
3740	33	45274	1860	1756	103.9							
3741	34	45362	1800	1738	61.52							
3742	35	45456	2200	1720	480.3							
3743	36	45552	1900	1700	199.6							
3744	37	45637	2200	1683	516.6							
3745	38	45730	1000	1665	-664.8							
3746	TDS-dad-10											
3747												
3748	General Statistics											
3749	Number of Events				38							
3750	Number of Values Reported (n)				38							
3751	Number of Replicates				0							
3752	Minimum				790							
3753	Maximum				1790							
3754	Mean				1469							
3755	Geometric Mean				1456							
3756	Median				1470							
3757	Standard Deviation				180							
3758	Coefficient of Variation				0.123							
3759												
3760	Mann-Kendall Statistics											
3761	M-K Test Value (S)				-146							
3762	Critical Value (0.05)				-1.645							

	A	B	C	D	E	F	G	H	I	J	K	L
3763	Standard Deviation of S				79.44							
3764	Standardized Value of S				-1.825							
3765	Approximate p-value				0.034							
3766												
3767	Approximate inference for Theil-Sen Trend Test											
3768	Number of Slopes				703							
3769	Theil-Sen Slope				-0.0467							
3770	Theil-Sen Intercept				3526							
3771	M2'				416.8							
3772	One-sided 95% upper limit of Slope				-0.00363							
3773	95% LCL of Slope (0.025)				-0.098							
3774	95% UCL of Slope (0.975)				0							
3775												
3776	Statistically significant evidence of a decreasing											
3777	trend at the specified level of significance.											
3778												
3779	Theil-Sen Trend Test Estimates and Residuals											
3780	#	Events	Values	Estimates	Residuals							
3781	1	42332	1560	1549	10.63							
3782	2	42429	1610	1545	65.16							
3783	3	42527	1720	1540	179.7							
3784	4	42620	1620	1536	84.08							
3785	5	42710	1710	1532	178.3							
3786	6	42802	1610	1527	82.58							
3787	7	42895	1790	1523	266.9							
3788	8	42972	790	1519	-729.5							
3789	9	43067	1540	1515	24.95							
3790	10	43159	1440	1511	-70.75							
3791	11	43255	1430	1506	-76.27							
3792	12	43339	1410	1502	-92.34							
3793	13	43434	1510	1498	12.09							
3794	14	43535	1280	1493	-213.2							
3795	15	43609	1670	1490	180.3							
3796	16	43699	1330	1486	-155.5							
3797	17	43801	1380	1481	-100.8							
3798	18	43880	1480	1477	2.924							
3799	19	43986	1460	1472	-12.13							
3800	20	44077	1380	1468	-87.87							
3801	21	44159	1330	1464	-134							
3802	22	44263	1550	1459	90.81							
3803	23	44344	1330	1455	-125.4							
3804	24	44432	1490	1451	38.71							
3805	25	44538	1750	1446	303.7							
3806	26	44643	1660	1441	218.6							
3807	27	44714	1400	1438	-38.12							
3808	28	44818	1250	1433	-183.3							
3809	29	44904	1280	1429	-149.3							
3810	30	44995	1530	1425	105							
3811	31	45086	1330	1421	-90.75							
3812	32	45182	1340	1416	-76.27							
3813	33	45274	1450	1412	38.03							
3814	34	45362	1400	1408	-7.859							
3815	35	45457	1500	1403	96.58							
3816	36	45554	1500	1399	101.1							
3817	37	45638	1600	1395	205							
3818	38	45734	1400	1390	9.515							
3819	TDS-dad-11											
3820												
3821	General Statistics											
3822	Number of Events				37							
3823	Number of Values Reported (n)				37							
3824	Number of Replicates				0							
3825	Minimum				1660							
3826	Maximum				4040							
3827	Mean				3051							
3828	Geometric Mean				3004							

	A	B	C	D	E	F	G	H	I	J	K	L
3829	Median				2850							
3830	Standard Deviation				534.7							
3831	Coefficient of Variation				0.175							
3832												
3833	Mann-Kendall Statistics											
3834	M-K Test Value (S)				142							
3835	Critical Value (0.05)				1.645							
3836	Standard Deviation of S				76.43							
3837	Standardized Value of S				1.845							
3838	Approximate p-value				0.0325							
3839												
3840	Approximate inference for Theil-Sen Trend Test											
3841	Number of Slopes				666							
3842	Theil-Sen Slope				0.173							
3843	Theil-Sen Intercept				-4772							
3844	M1				258.1							
3845	M2				407.9							
3846	95% LCL of Slope (0.025)				-0.00896							
3847	95% UCL of Slope (0.975)				0.317							
3848												
3849	Insufficient evidence to identify a significant											
3850	trend at the specified level of significance.											
3851												
3852	Theil-Sen Trend Test Estimates and Residuals											
3853	#	Events	Values	Estimates	Residuals							
3854	1	42332	4030	2549	1481							
3855	2	42429	3040	2566	474							
3856	3	42529	4040	2583	1457							
3857	4	42621	3960	2599	1361							
3858	5	42709	2680	2614	65.55							
3859	6	42802	3420	2631	789.5							
3860	7	42892	3030	2646	383.9							
3861	8	42976	2350	2661	-310.6							
3862	9	43068	1660	2677	-1017							
3863	10	43157	2450	2692	-241.9							
3864	11	43251	2930	2708	221.8							
3865	12	43341	2960	2724	236.3							
3866	13	43437	2840	2740	99.65							
3867	14	43535	2740	2757	-17.3							
3868	15	43613	2840	2771	69.21							
3869	16	43697	2820	2785	34.68							
3870	17	43811	2670	2805	-135							
3871	18	43887	2690	2818	-128.2							
3872	19	44071	2670	2850	-180							
3873	20	44166	2700	2866	-166.4							
3874	21	44256	2730	2882	-152							
3875	22	44348	2810	2898	-87.91							
3876	23	44433	2790	2913	-122.6							
3877	24	44530	2780	2929	-149.4							
3878	25	44635	2850	2948	-97.54							
3879	26	44706	2830	2960	-129.8							
3880	27	44798	2820	2976	-155.7							
3881	28	44897	2860	2993	-132.9							
3882	29	44988	2970	3009	-38.59							
3883	30	45071	3100	3023	77.05							
3884	31	45169	3280	3040	240.1							
3885	32	45266	3490	3057	433.3							
3886	33	45352	3840	3072	768.5							
3887	34	45450	3800	3088	711.5							
3888	35	45544	4000	3105	895.2							
3889	36	45631	3700	3120	580.2							
3890	37	45726	3700	3136	563.8							
3891	TDS-dad-12											
3892												
3893	General Statistics											
3894	Number of Events				38							

	A	B	C	D	E	F	G	H	I	J	K	L
3895	Number of Values Reported (n)				38							
3896	Number of Replicates				0							
3897	Minimum				1960							
3898	Maximum				3820							
3899	Mean				3330							
3900	Geometric Mean				3307							
3901	Median				3375							
3902	Standard Deviation				365							
3903	Coefficient of Variation				0.11							
3904												
3905	Mann-Kendall Statistics											
3906	M-K Test Value (S)				-221							
3907	Critical Value (0.05)				-1.645							
3908	Standard Deviation of S				79.49							
3909	Standardized Value of S				-2.768							
3910	Approximate p-value				0.00282							
3911												
3912	Approximate inference for Theil-Sen Trend Test											
3913	Number of Slopes				703							
3914	Theil-Sen Slope				-0.173							
3915	Theil-Sen Intercept				11007							
3916	M2'				416.9							
3917	One-sided 95% upper limit of Slope				-0.0921							
3918	95% LCL of Slope (0.025)				-0.261							
3919	95% UCL of Slope (0.975)				-0.0817							
3920												
3921	Statistically significant evidence of a decreasing											
3922	trend at the specified level of significance.											
3923												
3924	Theil-Sen Trend Test Estimates and Residuals											
3925	#	Events	Values	Estimates	Residuals							
3926	1	42332	2860	3668	-808.5							
3927	2	42429	2980	3652	-671.7							
3928	3	42529	2900	3634	-734.3							
3929	4	42621	2960	3618	-658.4							
3930	5	42709	3760	3603	156.9							
3931	6	42802	3690	3587	103							
3932	7	42898	3330	3570	-240.4							
3933	8	42975	3580	3557	22.97							
3934	9	43068	3430	3541	-110.9							
3935	10	43158	3820	3525	294.7							
3936	11	43252	3740	3509	231							
3937	12	43340	3710	3494	216.3							
3938	13	43437	3650	3477	173.1							
3939	14	43535	3630	3460	170.1							
3940	15	43613	3690	3446	243.6							
3941	16	43697	3700	3432	268.1							
3942	17	43802	1960	3414	-1454							
3943	18	43887	3660	3399	261.1							
3944	19	43980	3590	3383	207.2							
3945	20	44070	3510	3367	142.8							
3946	21	44165	3590	3351	239.3							
3947	22	44256	3520	3335	185							
3948	23	44348	3550	3319	231							
3949	24	44433	3550	3304	245.7							
3950	25	44523	3420	3289	131.3							
3951	26	44623	3240	3271	-31.33							
3952	27	44705	3230	3257	-27.12							
3953	28	44798	3200	3241	-40.99							
3954	29	44896	3210	3224	-14.01							
3955	30	44987	3120	3208	-88.23							
3956	31	45071	2980	3194	-213.7							
3957	32	45168	3040	3177	-136.9							
3958	33	45265	3070	3160	-90.04							
3959	34	45352	3160	3145	15.05							
3960	35	45449	3200	3128	71.86							

	A	B	C	D	E	F	G	H	I	J	K	L
3961	36	45544	3100	3112	-11.67							
3962	37	45630	3100	3097	3.239							
3963	38	45723	3100	3081	19.36							
3964	TDS-dad-13											
3965												
3966	General Statistics											
3967	Number of Events				38							
3968	Number of Values Reported (n)				38							
3969	Number of Replicates				0							
3970	Minimum				1740							
3971	Maximum				3640							
3972	Mean				2215							
3973	Geometric Mean				2195							
3974	Median				2190							
3975	Standard Deviation				327							
3976	Coefficient of Variation				0.148							
3977												
3978	Mann-Kendall Statistics											
3979	M-K Test Value (S)				8							
3980	Critical Value (0.05)				1.645							
3981	Standard Deviation of S				79.5							
3982	Standardized Value of S				0.0881							
3983	Approximate p-value				0.465							
3984												
3985	Approximate inference for Theil-Sen Trend Test											
3986	Number of Slopes				703							
3987	Theil-Sen Slope				0.00501							
3988	Theil-Sen Intercept				1969							
3989	M1				273.6							
3990	M2				429.4							
3991	95% LCL of Slope (0.025)				-0.0674							
3992	95% UCL of Slope (0.975)				0.116							
3993												
3994	Insufficient evidence to identify a significant											
3995	trend at the specified level of significance.											
3996												
3997	Theil-Sen Trend Test Estimates and Residuals											
3998	#	Events	Values	Estimates	Residuals							
3999	1	42332	2280	2182	98.48							
4000	2	42425	2200	2182	18.02							
4001	3	42523	2310	2182	127.5							
4002	4	42621	2300	2183	117							
4003	5	42709	2240	2183	56.6							
4004	6	42802	2020	2184	-163.9							
4005	7	42898	2520	2184	335.6							
4006	8	42971	2280	2185	95.28							
4007	9	43066	1850	2185	-335.2							
4008	10	43158	1740	2186	-445.7							
4009	11	43251	2550	2186	363.9							
4010	12	43339	1800	2187	-386.6							
4011	13	43432	1910	2187	-277							
4012	14	43532	2000	2188	-187.5							
4013	15	43609	2130	2188	-57.91							
4014	16	43697	2170	2188	-18.35							
4015	17	43802	3640	2189	1451							
4016	18	43887	1960	2189	-229.3							
4017	19	43980	2130	2190	-59.77							
4018	20	44071	2210	2190	19.77							
4019	21	44165	1920	2191	-270.7							
4020	22	44256	2110	2191	-81.15							
4021	23	44348	2110	2192	-81.62							
4022	24	44433	2180	2192	-12.04							
4023	25	44523	2240	2192	47.51							
4024	26	44623	2500	2193	307							
4025	27	44705	2250	2193	56.6							
4026	28	44798	2380	2194	186.1							

	A	B	C	D	E	F	G	H	I	J	K	L
4027	29	44897	2390	2194	195.6							
4028	30	44987	2330	2195	135.2							
4029	31	45071	2230	2195	34.76							
4030	32	45168	2000	2196	-195.7							
4031	33	45265	2650	2196	453.8							
4032	34	45352	2640	2197	443.4							
4033	35	45450	2100	2197	-97.14							
4034	36	45545	1900	2198	-297.6							
4035	37	45630	1900	2198	-298							
4036	38	45717	2100	2198	-98.47							
4037	TDS-dad-14											
4038												
4039	General Statistics											
4040	Number of Events				38							
4041	Number of Values Reported (n)				38							
4042	Number of Replicates				0							
4043	Minimum				2310							
4044	Maximum				4200							
4045	Mean				3331							
4046	Geometric Mean				3293							
4047	Median				3265							
4048	Standard Deviation				503.8							
4049	Coefficient of Variation				0.151							
4050												
4051	Mann-Kendall Statistics											
4052	M-K Test Value (S)				-32							
4053	Critical Value (0.05)				-1.645							
4054	Standard Deviation of S				79.52							
4055	Standardized Value of S				-0.39							
4056	Approximate p-value				0.348							
4057												
4058	Approximate inference for Theil-Sen Trend Test											
4059	Number of Slopes				703							
4060	Theil-Sen Slope				-0.114							
4061	Theil-Sen Intercept				8283							
4062	M1				273.6							
4063	M2				429.4							
4064	95% LCL of Slope (0.025)				-0.361							
4065	95% UCL of Slope (0.975)				0.153							
4066												
4067	Insufficient evidence to identify a significant											
4068	trend at the specified level of significance.											
4069												
4070	Theil-Sen Trend Test Estimates and Residuals											
4071	#	Events	Values	Estimates	Residuals							
4072	1	42332	3550	3458	91.97							
4073	2	42429	3540	3447	93.02							
4074	3	42523	3700	3436	263.7							
4075	4	42621	3700	3425	274.9							
4076	5	42706	3750	3415	334.6							
4077	6	42802	3780	3404	375.5							
4078	7	42892	3750	3394	355.8							
4079	8	42975	3170	3385	-214.7							
4080	9	43066	3270	3374	-104.4							
4081	10	43157	3210	3364	-154							
4082	11	43251	3350	3353	-3.281							
4083	12	43341	3180	3343	-163							
4084	13	43432	3240	3333	-92.65							
4085	14	43532	3310	3321	-11.25							
4086	15	43609	3260	3312	-52.47							
4087	16	43697	3140	3302	-162.4							
4088	17	43802	3060	3290	-230.5							
4089	18	43887	3020	3281	-260.8							
4090	19	43980	2980	3270	-290.2							
4091	20	44071	2880	3260	-379.8							
4092	21	44166	2770	3249	-479							

	A	B	C	D	E	F	G	H	I	J	K	L
4093	22	44257	2640	3239	-598.6							
4094	23	44350	2720	3228	-508							
4095	24	44434	2600	3218	-618.4							
4096	25	44523	2830	3208	-378.3							
4097	26	44635	2670	3196	-525.5							
4098	27	44705	2750	3188	-437.5							
4099	28	44799	2850	3177	-326.8							
4100	29	44897	2310	3166	-855.7							
4101	30	44987	3490	3155	334.6							
4102	31	45072	3830	3146	684.3							
4103	32	45169	3930	3135	795.3							
4104	33	45265	4050	3124	926.3							
4105	34	45352	4100	3114	986.2							
4106	35	45450	3900	3103	797.4							
4107	36	45544	4200	3092	1108							
4108	37	45630	4100	3082	1018							
4109	38	45726	4000	3071	928.8							
4110	TDS-dad-15											
4111												
4112	General Statistics											
4113	Number of Events				38							
4114	Number of Values Reported (n)				38							
4115	Number of Replicates				0							
4116	Minimum				1660							
4117	Maximum				5060							
4118	Mean				2261							
4119	Geometric Mean				2205							
4120	Median				2195							
4121	Standard Deviation				584.5							
4122	Coefficient of Variation				0.259							
4123												
4124	Mann-Kendall Statistics											
4125	M-K Test Value (S)				571							
4126	Critical Value (0.05)				1.645							
4127	Standard Deviation of S				79.49							
4128	Standardized Value of S				7.171							
4129	Approximate p-value				3.725E-13							
4130												
4131	Approximate inference for Theil-Sen Trend Test											
4132	Number of Slopes				703							
4133	Theil-Sen Slope				0.342							
4134	Theil-Sen Intercept				-12880							
4135	M1'				286.1							
4136	One-sided 95% lower limit of Slope				0.307							
4137	95% LCL of Slope (0.025)				0.301							
4138	95% UCL of Slope (0.975)				0.383							
4139												
4140	Statistically significant evidence of an increasing											
4141	trend at the specified level of significance.											
4142												
4143	Theil-Sen Trend Test Estimates and Residuals											
4144	#	Events	Values	Estimates	Residuals							
4145	1	42332	1720	1614	106.4							
4146	2	42429	1720	1647	73.15							
4147	3	42529	1680	1681	-1.092							
4148	4	42620	1780	1712	67.75							
4149	5	42709	1660	1743	-82.72							
4150	6	42807	1860	1776	83.73							
4151	7	42895	1870	1806	63.6							
4152	8	42975	1670	1834	-163.8							
4153	9	43059	1710	1863	-152.6							
4154	10	43158	1970	1896	73.55							
4155	11	43252	1960	1929	31.37							
4156	12	43339	2080	1958	121.6							
4157	13	43434	1840	1991	-150.9							
4158	14	43532	1970	2024	-54.5							

	A	B	C	D	E	F	G	H	I	J	K	L
4159	15	43609	2160	2051	109.1							
4160	16	43698	2180	2081	98.67							
4161	17	43804	2010	2118	-107.6							
4162	18	43887	2010	2146	-136							
4163	19	43983	2060	2179	-118.9							
4164	20	44077	2210	2211	-1.092							
4165	21	44169	2230	2243	-12.59							
4166	22	44259	2310	2273	36.6							
4167	23	44351	2280	2305	-24.9							
4168	24	44439	2230	2335	-105							
4169	25	44532	2470	2367	103.1							
4170	26	44643	2590	2405	185.1							
4171	27	44707	2510	2427	83.21							
4172	28	44804	2550	2460	90							
4173	29	44900	2500	2493	7.132							
4174	30	44991	2470	2524	-54.02							
4175	31	45076	2320	2553	-233.1							
4176	32	45174	2660	2587	73.32							
4177	33	45268	5060	2619	2441							
4178	34	45356	2700	2649	51.01							
4179	35	45454	2900	2683	217.5							
4180	36	45546	2700	2714	-14.04							
4181	37	45631	2600	2743	-143.1							
4182	38	45728	2700	2776	-76.36							
4183	TDS-dad-16											
4184												
4185	General Statistics											
4186	Number of Events				37							
4187	Number of Values Reported (n)				37							
4188	Number of Replicates				0							
4189	Minimum				1640							
4190	Maximum				3000							
4191	Mean				2120							
4192	Geometric Mean				2099							
4193	Median				2100							
4194	Standard Deviation				307.9							
4195	Coefficient of Variation				0.145							
4196												
4197	Mann-Kendall Statistics											
4198	M-K Test Value (S)				-316							
4199	Critical Value (0.05)				-1.645							
4200	Standard Deviation of S				76.42							
4201	Standardized Value of S				-4.122							
4202	Approximate p-value				1.8783E-5							
4203												
4204	Approximate inference for Theil-Sen Trend Test											
4205	Number of Slopes				666							
4206	Theil-Sen Slope				-0.215							
4207	Theil-Sen Intercept				11559							
4208	M2'				395.8							
4209	One-sided 95% upper limit of Slope				-0.15							
4210	95% LCL of Slope (0.025)				-0.292							
4211	95% UCL of Slope (0.975)				-0.138							
4212												
4213	Statistically significant evidence of a decreasing											
4214	trend at the specified level of significance.											
4215												
4216	Theil-Sen Trend Test Estimates and Residuals											
4217	#	Events	Values	Estimates	Residuals							
4218	1	42338	2520	2454	66.23							
4219	2	42429	2440	2434	5.802							
4220	3	42527	2070	2413	-343.1							
4221	4	42620	3000	2393	606.9							
4222	5	42706	1900	2375	-474.6							
4223	6	42802	2690	2354	336							
4224	7	42892	2710	2335	375.4							

	A	B	C	D	E	F	G	H	I	J	K	L
4225	8	42975	2450	2317	133.2							
4226	9	43067	2120	2297	-177							
4227	10	43158	1780	2277	-497.4							
4228	11	43252	2440	2257	182.8							
4229	12	43339	2410	2238	171.5							
4230	13	43433	2200	2218	-18.28							
4231	14	43532	1990	2197	-207							
4232	15	43608	2010	2181	-170.6							
4233	16	43697	2100	2162	-61.51							
4234	17	43804	2130	2138	-8.495							
4235	18	43886	1950	2121	-170.9							
4236	19	43983	2080	2100	-20							
4237	20	44074	2200	2080	119.6							
4238	21	44167	2170	2060	109.6							
4239	22	44258	2030	2041	-10.86							
4240	23	44351	2250	2021	229.1							
4241	24	44439	2170	2002	168.1							
4242	25	44531	2160	1982	177.9							
4243	26	44636	2100	1960	140.4							
4244	27	44707	2180	1944	235.7							
4245	28	44804	2120	1923	196.6							
4246	29	44901	1880	1903	-22.58							
4247	30	44991	1910	1883	26.78							
4248	31	45076	1760	1865	-104.9							
4249	32	45175	1670	1844	-173.7							
4250	33	45267	1640	1824	-183.9							
4251	34	45356	1700	1805	-104.7							
4252	35	45453	2000	1784	216.1							
4253	36	45546	1700	1764	-63.87							
4254	37	45727	1800	1725	75.06							
4255	TDS-dad-17											
4256												
4257	General Statistics											
4258	Number of Events				37							
4259	Number of Values Reported (n)				37							
4260	Number of Replicates				0							
4261	Minimum				554							
4262	Maximum				1740							
4263	Mean				836.7							
4264	Geometric Mean				799.7							
4265	Median				750							
4266	Standard Deviation				281.6							
4267	Coefficient of Variation				0.337							
4268												
4269	Mann-Kendall Statistics											
4270	M-K Test Value (S)				-72							
4271	Critical Value (0.05)				-1.645							
4272	Standard Deviation of S				76.45							
4273	Standardized Value of S				-0.929							
4274	Approximate p-value				0.177							
4275												
4276	Approximate inference for Theil-Sen Trend Test											
4277	Number of Slopes				666							
4278	Theil-Sen Slope				-0.043							
4279	Theil-Sen Intercept				2640							
4280	M1				258.1							
4281	M2				407.9							
4282	95% LCL of Slope (0.025)				-0.165							
4283	95% UCL of Slope (0.975)				0.0316							
4284												
4285	Insufficient evidence to identify a significant											
4286	trend at the specified level of significance.											
4287												
4288	Theil-Sen Trend Test Estimates and Residuals											
4289	#	Events	Values	Estimates	Residuals							
4290	1	42338	1550	820.7	729.3							

	A	B	C	D	E	F	G	H	I	J	K	L
4291	2	42430	1260	816.8	443.2							
4292	3	42527	1440	812.6	627.4							
4293	4	42621	1100	808.6	291.4							
4294	5	42709	755	804.8	-49.77							
4295	6	42807	885	800.6	84.44							
4296	7	42893	970	796.9	173.1							
4297	8	42972	1740	793.5	946.5							
4298	9	43067	690	789.4	-99.39							
4299	10	43158	572	785.5	-213.5							
4300	11	43251	620	781.5	-161.5							
4301	12	43336	580	777.8	-197.8							
4302	13	43433	624	773.7	-149.7							
4303	14	43532	638	769.4	-131.4							
4304	15	43608	650	766.2	-116.2							
4305	16	43698	785	762.3	22.71							
4306	17	43804	582	757.7	-175.7							
4307	18	43886	554	754.2	-200.2							
4308	19	43984	698	750	-52							
4309	20	44076	586	746	-160							
4310	21	44167	604	742.1	-138.1							
4311	22	44259	634	738.2	-104.2							
4312	23	44354	972	734.1	237.9							
4313	24	44441	742	730.4	11.63							
4314	25	44536	985	726.3	258.7							
4315	26	44637	985	721.9	263.1							
4316	27	44712	936	718.7	217.3							
4317	28	44805	853	714.7	138.3							
4318	29	44903	878	710.5	167.5							
4319	30	44993	938	706.7	231.3							
4320	31	45078	968	703	265							
4321	32	45180	613	698.6	-85.62							
4322	33	45272	750	694.7	55.33							
4323	34	45358	680	691	-10.97							
4324	35	45455	750	686.8	63.19							
4325	36	45551	720	682.7	37.32							
4326	37	45729	670	675	-5.037							
4327	TDS-dad-18											
4328												
4329	General Statistics											
4330	Number of Events				38							
4331	Number of Values Reported (n)				38							
4332	Number of Replicates				0							
4333	Minimum				2400							
4334	Maximum				2860							
4335	Mean				2661							
4336	Geometric Mean				2659							
4337	Median				2660							
4338	Standard Deviation				92.9							
4339	Coefficient of Variation				0.0349							
4340												
4341	Mann-Kendall Statistics											
4342	M-K Test Value (S)				-223							
4343	Critical Value (0.05)				-1.645							
4344	Standard Deviation of S				79.35							
4345	Standardized Value of S				-2.798							
4346	Approximate p-value				0.00257							
4347												
4348	Approximate inference for Theil-Sen Trend Test											
4349	Number of Slopes				703							
4350	Theil-Sen Slope				-0.0418							
4351	Theil-Sen Intercept				4502							
4352	M2'				416.8							
4353	One-sided 95% upper limit of Slope				-0.0189							
4354	95% LCL of Slope (0.025)				-0.0709							
4355	95% UCL of Slope (0.975)				-0.0155							
4356												

	A	B	C	D	E	F	G	H	I	J	K	L
4357	Statistically significant evidence of a decreasing											
4358	trend at the specified level of significance.											
4359												
4360	Theil-Sen Trend Test Estimates and Residuals											
4361	#	Events	Values	Estimates	Residuals							
4362	1	42338	2760	2731	29.21							
4363	2	42430	2860	2727	133.1							
4364	3	42527	2830	2723	107.1							
4365	4	42622	2650	2719	-68.91							
4366	5	42709	2730	2715	14.73							
4367	6	42802	2750	2711	38.62							
4368	7	42898	2760	2707	52.64							
4369	8	42976	2570	2704	-134.1							
4370	9	43068	2520	2700	-180.3							
4371	10	43159	2750	2696	53.56							
4372	11	43255	2740	2692	47.57							
4373	12	43340	2720	2689	31.13							
4374	13	43433	2650	2685	-34.98							
4375	14	43535	2600	2681	-80.71							
4376	15	43613	2620	2677	-57.45							
4377	16	43697	2640	2674	-33.93							
4378	17	43804	2620	2669	-49.46							
4379	18	43886	2690	2666	23.97							
4380	19	43984	2760	2662	98.08							
4381	20	44076	2740	2658	81.92							
4382	21	44168	2730	2654	75.77							
4383	22	44259	2660	2650	9.582							
4384	23	44354	2700	2646	53.56							
4385	24	44441	2580	2643	-62.8							
4386	25	44536	2510	2639	-128.8							
4387	26	44638	2530	2635	-104.6							
4388	27	44712	2580	2631	-51.46							
4389	28	44816	2590	2627	-37.11							
4390	29	44903	2670	2623	46.53							
4391	30	44993	2700	2620	80.29							
4392	31	45082	2660	2616	44.02							
4393	32	45181	2600	2612	-11.84							
4394	33	45273	2650	2608	42.01							
4395	34	45359	2400	2604	-204.4							
4396	35	45455	2600	2600	-0.377							
4397	36	45551	2700	2596	103.6							
4398	37	45632	2700	2593	107							
4399	38	45729	2600	2589	11.09							
4400	TDS-dad-19											
4401												
4402	General Statistics											
4403	Number of Events				38							
4404	Number of Values Reported (n)				38							
4405	Number of Replicates				0							
4406	Minimum				2750							
4407	Maximum				3420							
4408	Mean				3012							
4409	Geometric Mean				3009							
4410	Median				3030							
4411	Standard Deviation				133.5							
4412	Coefficient of Variation				0.0443							
4413												
4414	Mann-Kendall Statistics											
4415	M-K Test Value (S)				153							
4416	Critical Value (0.05)				1.645							
4417	Standard Deviation of S				79.36							
4418	Standardized Value of S				1.915							
4419	Approximate p-value				0.0277							
4420												
4421	Approximate inference for Theil-Sen Trend Test											
4422	Number of Slopes				703							

	A	B	C	D	E	F	G	H	I	J	K	L
4423	Theil-Sen Slope				0.0394							
4424	Theil-Sen Intercept				1297							
4425	M1'				286.2							
4426	One-sided 95% lower limit of Slope				0.00109							
4427	95% LCL of Slope (0.025)				0							
4428	95% UCL of Slope (0.975)				0.0711							
4429												
4430	Statistically significant evidence of an increasing											
4431	trend at the specified level of significance.											
4432												
4433	Theil-Sen Trend Test Estimates and Residuals											
4434	#	Events	Values	Estimates	Residuals							
4435	1	42338	3260	2963	296.6							
4436	2	42430	3200	2967	233							
4437	3	42529	2920	2971	-50.89							
4438	4	42622	2910	2975	-64.55							
4439	5	42710	3420	2978	442							
4440	6	42807	2870	2982	-111.8							
4441	7	42898	2790	2985	-195.4							
4442	8	42976	2770	2988	-218.5							
4443	9	43068	2750	2992	-242.1							
4444	10	43159	3040	2996	44.31							
4445	11	43255	3070	2999	70.53							
4446	12	43340	2950	3003	-52.81							
4447	13	43434	2960	3007	-46.52							
4448	14	43535	2920	3010	-90.49							
4449	15	43613	3090	3014	76.44							
4450	16	43697	3170	3017	153.1							
4451	17	43803	3110	3021	88.96							
4452	18	43886	3020	3024	-4.311							
4453	19	43984	2890	3028	-138.2							
4454	20	44077	2920	3032	-111.8							
4455	21	44169	2970	3035	-65.45							
4456	22	44258	2810	3039	-229							
4457	23	44351	2960	3043	-82.62							
4458	24	44440	3060	3046	13.88							
4459	25	44532	3050	3050	0.256							
4460	26	44637	2960	3054	-93.88							
4461	27	44708	2960	3057	-96.67							
4462	28	44805	3040	3060	-20.49							
4463	29	44902	3050	3064	-14.31							
4464	30	44992	3060	3068	-7.854							
4465	31	45078	3060	3071	-11.24							
4466	32	45180	2970	3075	-105.3							
4467	33	45272	3070	3079	-8.878							
4468	34	45358	3100	3082	17.74							
4469	35	45454	3100	3086	13.96							
4470	36	45547	3000	3090	-89.7							
4471	37	45632	3100	3093	6.949							
4472	38	45729	3100	3097	3.13							
4473	TDS-dad-21											
4474												
4475	General Statistics											
4476	Number of Events				38							
4477	Number of Values Reported (n)				38							
4478	Number of Replicates				0							
4479	Minimum				2090							
4480	Maximum				3610							
4481	Mean				2904							
4482	Geometric Mean				2878							
4483	Median				2915							
4484	Standard Deviation				387							
4485	Coefficient of Variation				0.133							
4486												
4487	Mann-Kendall Statistics											
4488	M-K Test Value (S)				-131							

	A	B	C	D	E	F	G	H	I	J	K	L
4489	Critical Value (0.05)				-1.645							
4490	Standard Deviation of S				79.49							
4491	Standardized Value of S				-1.635							
4492	Approximate p-value				0.051							
4493												
4494	Approximate inference for Theil-Sen Trend Test											
4495	Number of Slopes				703							
4496	Theil-Sen Slope				-0.111							
4497	Theil-Sen Intercept				7813							
4498	M1				273.6							
4499	M2				429.4							
4500	95% LCL of Slope (0.025)				-0.242							
4501	95% UCL of Slope (0.975)				0.0156							
4502												
4503	Insufficient evidence to identify a significant											
4504	trend at the specified level of significance.											
4505												
4506	Theil-Sen Trend Test Estimates and Residuals											
4507	#	Events	Values	Estimates	Residuals							
4508	1	42331	2090	3104	-1014							
4509	2	42429	2360	3093	-733.2							
4510	3	42527	2920	3082	-162.3							
4511	4	42620	3180	3072	108							
4512	5	42710	3020	3062	-41.94							
4513	6	42804	3190	3051	138.5							
4514	7	42895	3360	3041	318.6							
4515	8	42970	2910	3033	-123							
4516	9	43067	2860	3022	-162.2							
4517	10	43159	2820	3012	-192							
4518	11	43255	2900	3001	-101.3							
4519	12	43339	3010	2992	18.03							
4520	13	43434	3180	2981	198.6							
4521	14	43531	3030	2971	59.38							
4522	15	43609	2920	2962	-41.94							
4523	16	43698	3040	2952	87.96							
4524	17	43805	3200	2940	259.9							
4525	18	43880	3430	2932	498.2							
4526	19	43985	3370	2920	449.9							
4527	20	44077	3580	2910	670.1							
4528	21	44172	3610	2899	710.7							
4529	22	44263	3440	2889	550.8							
4530	23	44344	3330	2880	449.8							
4531	24	44442	3030	2869	160.7							
4532	25	44537	2740	2859	-118.7							
4533	26	44642	2840	2847	-7.036							
4534	27	44713	2980	2839	140.9							
4535	28	44817	2590	2828	-237.6							
4536	29	44904	2300	2818	-517.9							
4537	30	44994	2380	2808	-427.9							
4538	31	45083	2620	2798	-178							
4539	32	45182	2590	2787	-197							
4540	33	45274	2430	2777	-346.7							
4541	34	45362	2300	2767	-466.9							
4542	35	45456	2800	2756	43.51							
4543	36	45552	2200	2746	-545.8							
4544	37	45637	2900	2736	163.6							
4545	38	45730	2900	2726	174							
4546	TDS-dad-22											
4547												
4548	General Statistics											
4549	Number of Events				38							
4550	Number of Values Reported (n)				38							
4551	Number of Replicates				0							
4552	Minimum				2120							
4553	Maximum				2900							
4554	Mean				2388							

	A	B	C	D	E	F	G	H	I	J	K	L
4555	Geometric Mean				2385							
4556	Median				2385							
4557	Standard Deviation				113.1							
4558	Coefficient of Variation				0.0474							
4559												
4560	Mann-Kendall Statistics											
4561	M-K Test Value (S)				-2							
4562	Critical Value (0.05)				-1.645							
4563	Standard Deviation of S				79.35							
4564	Standardized Value of S				-0.0126							
4565	Approximate p-value				0.495							
4566												
4567	Approximate inference for Theil-Sen Trend Test											
4568	Number of Slopes				703							
4569	Theil-Sen Slope				0							
4570	Theil-Sen Intercept				2385							
4571	M1				273.7							
4572	M2				429.3							
4573	95% LCL of Slope (0.025)				-0.0257							
4574	95% UCL of Slope (0.975)				0.0239							
4575												
4576	Insufficient evidence to identify a significant											
4577	trend at the specified level of significance.											
4578												
4579	Theil-Sen Trend Test Estimates and Residuals											
4580	#	Events	Values	Estimates	Residuals							
4581	1	42331	2340	2385	-45							
4582	2	42425	2380	2385	-5							
4583	3	42529	2420	2385	35							
4584	4	42619	2380	2385	-5							
4585	5	42709	2480	2385	95							
4586	6	42801	2360	2385	-25							
4587	7	42893	2500	2385	115							
4588	8	42970	2410	2385	25							
4589	9	43067	2250	2385	-135							
4590	10	43158	2420	2385	35							
4591	11	43252	2390	2385	5							
4592	12	43336	2380	2385	-5							
4593	13	43434	2120	2385	-265							
4594	14	43531	2200	2385	-185							
4595	15	43609	2320	2385	-65							
4596	16	43698	2390	2385	5							
4597	17	43805	2360	2385	-25							
4598	18	43880	2340	2385	-45							
4599	19	43985	2460	2385	75							
4600	20	44082	2410	2385	25							
4601	21	44172	2490	2385	105							
4602	22	44263	2360	2385	-25							
4603	23	44344	2390	2385	5							
4604	24	44442	2430	2385	45							
4605	25	44538	2350	2385	-35							
4606	26	44643	2440	2385	55							
4607	27	44714	2440	2385	55							
4608	28	44818	2420	2385	35							
4609	29	44904	2340	2385	-45							
4610	30	44994	2320	2385	-65							
4611	31	45083	2360	2385	-25							
4612	32	45182	2410	2385	25							
4613	33	45274	2370	2385	-15							
4614	34	45362	2300	2385	-85							
4615	35	45456	2400	2385	15							
4616	36	45555	2400	2385	15							
4617	37	45637	2900	2385	515							
4618	38	45733	2300	2385	-85							
4619	TDS-dad-23											
4620												

	A	B	C	D	E	F	G	H	I	J	K	L
4621	General Statistics											
4622	Number of Events				38							
4623	Number of Values Reported (n)				38							
4624	Number of Replicates				0							
4625	Minimum				1400							
4626	Maximum				2670							
4627	Mean				1964							
4628	Geometric Mean				1928							
4629	Median				1960							
4630	Standard Deviation				377.4							
4631	Coefficient of Variation				0.192							
4632												
4633	Mann-Kendall Statistics											
4634	M-K Test Value (S)				-163							
4635	Critical Value (0.05)				-1.645							
4636	Standard Deviation of S				79.49							
4637	Standardized Value of S				-2.038							
4638	Approximate p-value				0.0208							
4639												
4640	Approximate inference for Theil-Sen Trend Test											
4641	Number of Slopes				703							
4642	Theil-Sen Slope				-0.157							
4643	Theil-Sen Intercept				8882							
4644	M2'				416.9							
4645	One-sided 95% upper limit of Slope				-0.0368							
4646	95% LCL of Slope (0.025)				-0.279							
4647	95% UCL of Slope (0.975)				-0.00578							
4648												
4649	Statistically significant evidence of a decreasing											
4650	trend at the specified level of significance.											
4651												
4652	Theil-Sen Trend Test Estimates and Residuals											
4653	#	Events	Values	Estimates	Residuals							
4654	1	42359	1860	2222	-362.2							
4655	2	42429	1680	2211	-531.2							
4656	3	42523	2260	2196	63.55							
4657	4	42620	1720	2181	-461.2							
4658	5	42709	1940	2167	-227.2							
4659	6	42801	2230	2153	77.26							
4660	7	42893	2300	2138	161.7							
4661	8	42971	2500	2126	374							
4662	9	43068	2050	2111	-60.77							
4663	10	43157	1890	2097	-206.8							
4664	11	43251	2500	2082	418							
4665	12	43339	2350	2068	281.8							
4666	13	43432	2090	2054	36.46							
4667	14	43532	2260	2038	222.2							
4668	15	43609	1960	2026	-65.71							
4669	16	43696	2220	2012	208							
4670	17	43805	2410	1995	415.1							
4671	18	43887	1570	1982	-412							
4672	19	43983	1960	1967	-6.917							
4673	20	44071	1440	1953	-513.1							
4674	21	44166	1890	1938	-48.15							
4675	22	44257	2310	1924	386.2							
4676	23	44350	2320	1909	410.8							
4677	24	44434	1420	1896	-476							
4678	25	44531	2670	1881	789.2							
4679	26	44635	2550	1864	685.6							
4680	27	44706	1700	1853	-153.3							
4681	28	44799	1620	1839	-218.6							
4682	29	44900	2030	1823	207.2							
4683	30	44988	2070	1809	261.1							
4684	31	45072	1730	1796	-65.71							
4685	32	45169	2360	1780	579.5							
4686	33	45266	1490	1765	-275.2							

	A	B	C	D	E	F	G	H	I	J	K	L
4687	34	45355	1400	1751	-351.2							
4688	35	45453	1500	1736	-235.8							
4689	36	45545	1500	1721	-221.4							
4690	37	45631	1400	1708	-307.8							
4691	38	45727	1500	1693	-192.7							
4692	TDS-dad-24											
4693												
4694	General Statistics											
4695	Number of Events				36							
4696	Number of Values Reported (n)				36							
4697	Number of Replicates				0							
4698	Minimum				1620							
4699	Maximum				3100							
4700	Mean				2562							
4701	Geometric Mean				2538							
4702	Median				2610							
4703	Standard Deviation				323.3							
4704	Coefficient of Variation				0.126							
4705												
4706	Mann-Kendall Statistics											
4707	M-K Test Value (S)				418							
4708	Critical Value (0.05)				1.645							
4709	Standard Deviation of S				73.32							
4710	Standardized Value of S				5.688							
4711	Approximate p-value				6.4397E-9							
4712												
4713	Approximate inference for Theil-Sen Trend Test											
4714	Number of Slopes				630							
4715	Theil-Sen Slope				0.165							
4716	Theil-Sen Intercept				-4651							
4717	M1'				254.7							
4718	One-sided 95% lower limit of Slope				0.122							
4719	95% LCL of Slope (0.025)				0.116							
4720	95% UCL of Slope (0.975)				0.233							
4721												
4722	Statistically significant evidence of an increasing											
4723	trend at the specified level of significance.											
4724												
4725	Theil-Sen Trend Test Estimates and Residuals											
4726	#	Events	Values	Estimates	Residuals							
4727	1	42430	1670	2346	-676.1							
4728	2	42529	1620	2362	-742.5							
4729	3	42622	1620	2378	-757.8							
4730	4	42710	2630	2392	237.7							
4731	5	42807	2530	2408	121.7							
4732	6	42898	2630	2423	206.7							
4733	7	42976	2420	2436	-16.18							
4734	8	43068	2220	2451	-231.4							
4735	9	43159	2480	2466	13.64							
4736	10	43255	2570	2482	87.81							
4737	11	43343	2600	2497	103.3							
4738	12	43434	2560	2512	48.29							
4739	13	43535	2490	2528	-38.37							
4740	14	43613	2590	2541	48.77							
4741	15	43697	2630	2555	74.92							
4742	16	43803	2550	2573	-22.57							
4743	17	43886	2510	2586	-76.25							
4744	18	43984	2650	2602	47.59							
4745	19	44076	2630	2618	12.41							
4746	20	44169	2600	2633	-32.92							
4747	21	44258	2540	2648	-107.6							
4748	22	44351	2560	2663	-102.9							
4749	23	44440	2690	2678	12.39							
4750	24	44532	2610	2693	-82.79							
4751	25	44637	2620	2710	-90.1							
4752	26	44708	2610	2722	-111.8							

	A	B	C	D	E	F	G	H	I	J	K	L
4753	27	44805	2710	2738	-27.81							
4754	28	44902	2780	2754	26.2							
4755	29	44992	2790	2769	21.36							
4756	30	45078	2790	2783	7.174							
4757	31	45180	2890	2800	90.35							
4758	32	45268	2850	2814	35.84							
4759	33	45358	2900	2829	71							
4760	34	45454	3100	2845	255.2							
4761	35	45547	2800	2860	-60.17							
4762	36	45728	2800	2890	-90.02							
4763	TDS-dad-25											
4764												
4765	General Statistics											
4766	Number of Events				38							
4767	Number of Values Reported (n)				38							
4768	Number of Replicates				0							
4769	Minimum				840							
4770	Maximum				4640							
4771	Mean				2229							
4772	Geometric Mean				2079							
4773	Median				2055							
4774	Standard Deviation				865.4							
4775	Coefficient of Variation				0.388							
4776												
4777	Mann-Kendall Statistics											
4778	M-K Test Value (S)				24							
4779	Critical Value (0.05)				1.645							
4780	Standard Deviation of S				79.51							
4781	Standardized Value of S				0.289							
4782	Approximate p-value				0.386							
4783												
4784	Approximate inference for Theil-Sen Trend Test											
4785	Number of Slopes				703							
4786	Theil-Sen Slope				0.0577							
4787	Theil-Sen Intercept				-486.4							
4788	M1				273.6							
4789	M2				429.4							
4790	95% LCL of Slope (0.025)				-0.361							
4791	95% UCL of Slope (0.975)				0.283							
4792												
4793	Insufficient evidence to identify a significant											
4794	trend at the specified level of significance.											
4795												
4796	Theil-Sen Trend Test Estimates and Residuals											
4797	#	Events	Values	Estimates	Residuals							
4798	1	42360	4640	1959	2681							
4799	2	42430	4020	1963	2057							
4800	3	42527	3400	1968	1432							
4801	4	42621	4010	1974	2036							
4802	5	42706	3750	1979	1771							
4803	6	42804	2920	1984	935.8							
4804	7	42894	1940	1989	-49.43							
4805	8	42972	1660	1994	-333.9							
4806	9	43066	1310	1999	-689.4							
4807	10	43158	1480	2005	-524.7							
4808	11	43255	1540	2010	-470.3							
4809	12	43340	1800	2015	-215.2							
4810	13	43433	1580	2021	-440.5							
4811	14	43535	1570	2026	-456.4							
4812	15	43613	1790	2031	-240.9							
4813	16	43699	1830	2036	-205.9							
4814	17	43805	1800	2042	-242							
4815	18	43887	2100	2047	53.25							
4816	19	43984	2500	2052	447.7							
4817	20	44076	2180	2058	122.3							
4818	21	44168	2080	2063	17.03							

	A	B	C	D	E	F	G	H	I	J	K	L
4819	22	44259	2030	2068	-38.22							
4820	23	44354	2440	2074	366.3							
4821	24	44442	880	2079	-1199							
4822	25	44537	1220	2084	-864.3							
4823	26	44638	840	2090	-1250							
4824	27	44713	1780	2094	-314.4							
4825	28	44816	1820	2100	-280.4							
4826	29	44903	1940	2105	-165.4							
4827	30	44994	1740	2111	-370.6							
4828	31	45082	2160	2116	44.28							
4829	32	45181	2380	2121	258.6							
4830	33	45273	2180	2127	53.25							
4831	34	45359	2200	2132	68.29							
4832	35	45455	2500	2137	362.7							
4833	36	45552	2700	2143	557.2							
4834	37	45636	3400	2148	1252							
4835	38	45730	2600	2153	446.9							
4836	TDS-dad-26											
4837												
4838	General Statistics											
4839	Number of Events				38							
4840	Number of Values Reported (n)				38							
4841	Number of Replicates				0							
4842	Minimum				1060							
4843	Maximum				3280							
4844	Mean				2421							
4845	Geometric Mean				2342							
4846	Median				2385							
4847	Standard Deviation				598.3							
4848	Coefficient of Variation				0.247							
4849												
4850	Mann-Kendall Statistics											
4851	M-K Test Value (S)				-295							
4852	Critical Value (0.05)				-1.645							
4853	Standard Deviation of S				79.53							
4854	Standardized Value of S				-3.697							
4855	Approximate p-value				1.0920E-4							
4856												
4857	Approximate inference for Theil-Sen Trend Test											
4858	Number of Slopes				703							
4859	Theil-Sen Slope				-0.406							
4860	Theil-Sen Intercept				20268							
4861	M2'				416.9							
4862	One-sided 95% upper limit of Slope				-0.254							
4863	95% LCL of Slope (0.025)				-0.562							
4864	95% UCL of Slope (0.975)				-0.221							
4865												
4866	Statistically significant evidence of a decreasing											
4867	trend at the specified level of significance.											
4868												
4869	Theil-Sen Trend Test Estimates and Residuals											
4870	#	Events	Values	Estimates	Residuals							
4871	1	42360	2540	3065	-524.6							
4872	2	42430	2760	3036	-276.2							
4873	3	42527	2900	2997	-96.81							
4874	4	42621	3210	2959	251.4							
4875	5	42710	3160	2922	237.5							
4876	6	42804	3280	2884	395.7							
4877	7	42895	3270	2847	422.6							
4878	8	42975	3110	2815	295.1							
4879	9	43067	3110	2778	332.5							
4880	10	43159	3000	2740	259.9							
4881	11	43255	3240	2701	538.8							
4882	12	43340	3020	2667	353.4							
4883	13	43434	2770	2628	141.5							
4884	14	43531	2670	2589	80.93							

	A	B	C	D	E	F	G	H	I	J	K	L
4885	15	43613	2360	2556	-195.8							
4886	16	43698	2410	2521	-111.3							
4887	17	43805	1060	2478	-1418							
4888	18	43880	1680	2447	-767.3							
4889	19	43985	2320	2405	-84.7							
4890	20	44082	2270	2365	-95.3							
4891	21	44172	2010	2329	-318.8							
4892	22	44263	2460	2292	168.2							
4893	23	44344	2060	2259	-198.9							
4894	24	44446	1820	2217	-397.5							
4895	25	44538	1610	2180	-570.1							
4896	26	44643	1790	2137	-347.5							
4897	27	44714	1860	2109	-248.6							
4898	28	44818	1940	2066	-126.4							
4899	29	44907	1740	2030	-290.3							
4900	30	44995	2070	1995	75.48							
4901	31	45083	2010	1959	51.21							
4902	32	45183	3030	1918	1112							
4903	33	45275	3070	1881	1189							
4904	34	45362	2700	1845	854.5							
4905	35	45457	1900	1807	93.1							
4906	36	45554	2100	1768	332.5							
4907	37	45638	2300	1733	566.6							
4908	38	45733	1400	1695	-294.8							
4909	TDS-dad-27											
4910												
4911	General Statistics											
4912	Number of Events				10							
4913	Number of Values Reported (n)				10							
4914	Number of Replicates				0							
4915	Minimum				1490							
4916	Maximum				2300							
4917	Mean				1966							
4918	Geometric Mean				1954							
4919	Median				2000							
4920	Standard Deviation				225							
4921	Coefficient of Variation				0.114							
4922												
4923	Mann-Kendall Statistics											
4924	M-K Test Value (S)				12							
4925	Tabulated p-value				0.146							
4926	Standard Deviation of S				11.02							
4927	Standardized Value of S				0.999							
4928	Approximate p-value				0.159							
4929												
4930	Approximate inference for Theil-Sen Trend Test											
4931	Number of Slopes				45							
4932	Theil-Sen Slope				0.286							
4933	Theil-Sen Intercept				-10948							
4934	M1				11.71							
4935	M2				33.29							
4936	95% LCL of Slope (0.025)				-0.466							
4937	95% UCL of Slope (0.975)				0.797							
4938												
4939	Insufficient evidence to identify a significant											
4940	trend at the specified level of significance.											
4941												
4942	Theil-Sen Trend Test Estimates and Residuals											
4943	#	Events	Values	Estimates	Residuals							
4944	1	44907	1870	1883	-12.57							
4945	2	44995	1900	1908	-7.714							
4946	3	45083	1490	1933	-442.9							
4947	4	45183	2100	1961	138.6							
4948	5	45274	2000	1987	12.57							
4949	6	45362	2000	2013	-12.57							
4950	7	45457	2300	2040	260.3							

	A	B	C	D	E	F	G	H	I	J	K	L
4951	8	45554	2000	2067	-67.43							
4952	9	45638	2200	2091	108.6							
4953	10	45733	1800	2119	-318.6							
4954	TDS-mw-4											
4955												
4956	General Statistics											
4957	Number of Events				23							
4958	Number of Values Reported (n)				23							
4959	Number of Replicates				0							
4960	Minimum				980							
4961	Maximum				5140							
4962	Mean				4280							
4963	Geometric Mean				4135							
4964	Median				4400							
4965	Standard Deviation				805.5							
4966	Coefficient of Variation				0.188							
4967												
4968	Mann-Kendall Statistics											
4969	M-K Test Value (S)				-1							
4970	Critical Value (0.05)				-1.645							
4971	Standard Deviation of S				37.84							
4972	Standardized Value of S				0							
4973	Approximate p-value				0.5							
4974												
4975	Approximate inference for Theil-Sen Trend Test											
4976	Number of Slopes				253							
4977	Theil-Sen Slope				0							
4978	Theil-Sen Intercept				4400							
4979	M1				89.42							
4980	M2				163.6							
4981	95% LCL of Slope (0.025)				-0.371							
4982	95% UCL of Slope (0.975)				0.326							
4983												
4984	Insufficient evidence to identify a significant											
4985	trend at the specified level of significance.											
4986												
4987	Theil-Sen Trend Test Estimates and Residuals											
4988	#	Events	Values	Estimates	Residuals							
4989	1	43270	980	4400	-3420							
4990	2	43795	4800	4400	400							
4991	3	43896	4620	4400	220							
4992	4	43977	4460	4400	60							
4993	5	44069	4640	4400	240							
4994	6	44155	4550	4400	150							
4995	7	44256	4820	4400	420							
4996	8	44336	3980	4400	-420							
4997	9	44447	4270	4400	-130							
4998	10	44518	3860	4400	-540							
4999	11	44620	4150	4400	-250							
5000	12	44701	4170	4400	-230							
5001	13	44795	5140	4400	740							
5002	14	44887	4640	4400	240							
5003	15	44981	4290	4400	-110							
5004	16	45064	4700	4400	300							
5005	17	45162	4010	4400	-390							
5006	18	45258	4310	4400	-90							
5007	19	45345	3950	4400	-450							
5008	20	45446	4800	4400	400							
5009	21	45538	4400	4400	0							
5010	22	45621	5000	4400	600							
5011	23	45720	3900	4400	-500							

APPENDIX I

DECAY RATE CALCULATIONS

First-Order Decay Rate Calculation for Monitored Natural Attenuation

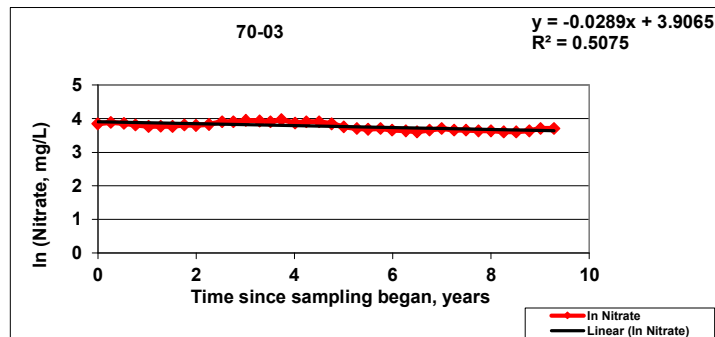
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 70-03

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/12/15 years
12-Nov-15		46.9	46900	3.848	0.00
16-Feb-16		49.1	49100	3.894	0.26
24-May-16		47.4	47400	3.859	0.53
18-Aug-16		45.2	45200	3.811	0.77
22-Nov-16		43.4	43400	3.770	1.03
20-Feb-17		43.6	43600	3.775	1.28
19-May-17		43.5	43500	3.773	1.52
14-Aug-17		45.4	45400	3.816	1.76
9-Nov-17		44.7	44700	3.800	1.99
13-Feb-18		46	46000	3.829	2.26
21-May-18		50	50000	3.912	2.52
15-Aug-18		50	50000	3.912	2.76
15-Nov-18		52	52000	3.951	3.01
26-Feb-19		51	51000	3.932	3.29
16-May-19		50	50000	3.912	3.51
6-Aug-19		53	53000	3.970	3.73
15-Nov-19		48	48000	3.871	4.01
7-Feb-20		50	50000	3.912	4.24
13-May-20		50	50000	3.912	4.50
14-Aug-20		47	47000	3.850	4.76
11-Nov-20		43	43000	3.761	5.00
16-Feb-21		41	41000	3.714	5.27
10-May-21		40	40000	3.689	5.50
10-Aug-21		41	41000	3.714	5.75
5-Nov-21		39	39000	3.664	5.99
15-Feb-22		38	38000	3.638	6.27
9-May-22		37	37000	3.611	6.49
9-Aug-22		39	39000	3.664	6.75
8-Nov-22		41	41000	3.714	6.99
9-Feb-23		39	39000	3.664	7.25
8-May-23		39	39000	3.664	7.49
9-Aug-23		38	38000	3.638	7.75
9-Nov-23		38	38000	3.638	8.00
12-Feb-24		37	37000	3.611	8.26
14-May-24		37	37000	3.611	8.51
20-Aug-24		38	38000	3.638	8.78
12-Nov-24		41	41000	3.714	9.01
19-Feb-25		41	41000	3.714	9.28
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹

= slope of the line, y

Solutions

70-03, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 46.9

Enter k_{point} ⇒ 0.0289

Time to reach cleanup level 53.5 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

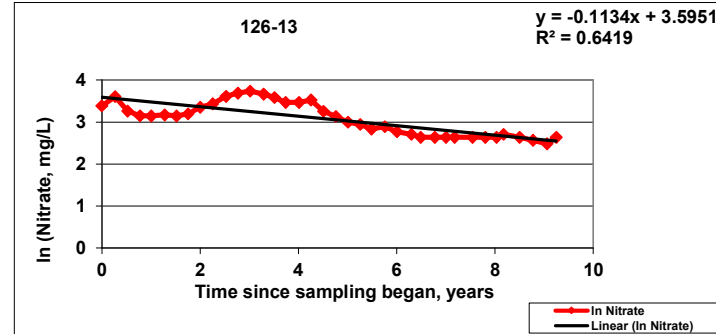
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 126-13

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/09/15 years
9-Nov-15		29.6	29600	3.388	0.00
15-Feb-16		36.9	36900	3.608	0.27
18-May-16		26.1	26100	3.262	0.52
18-Aug-16		23.4	23400	3.153	0.78
9-Nov-16		23.2	23200	3.144	1.00
17-Feb-17		23.8	23800	3.170	1.28
17-May-17		23.2	23200	3.144	1.52
10-Aug-17		24.4	24400	3.195	1.75
8-Nov-17		28.6	28600	3.353	2.00
9-Feb-18		31	31000	3.434	2.25
18-May-18		37	37000	3.611	2.52
15-Aug-18		40	40000	3.689	2.77
14-Nov-18		42	42000	3.738	3.02
22-Feb-19		39	39000	3.664	3.29
14-May-19		36	36000	3.584	3.51
5-Aug-19		32	32000	3.466	3.74
12-Nov-19		32	32000	3.466	4.01
10-Feb-20		34	34000	3.526	4.26
13-May-20		26	26000	3.258	4.51
12-Aug-20		23	23000	3.135	4.76
10-Nov-20		20	20000	2.996	5.01
9-Feb-21		19	19000	2.944	5.26
4-May-21		17	17000	2.833	5.49
11-Aug-21		18	18000	2.890	5.76
9-Nov-21		16	16000	2.773	6.01
24-Feb-22		15	15000	2.708	6.30
5-May-22		14	14000	2.639	6.49
17-Aug-22		14	14000	2.639	6.78
8-Nov-22		14	14000	2.639	7.00
11-Jan-23		14	14000	2.639	7.18
24-May-23		14	14000	2.639	7.54
27-Aug-23		14	14000	2.639	7.80
19-Nov-23		14	14000	2.639	8.03
10-Jan-24		15	15000	2.708	8.18
9-May-24		14	14000	2.639	8.50
16-Aug-24		13	13000	2.565	8.78
26-Nov-24		12	12000	2.485	9.05
3-Feb-25		14	14000	2.639	9.24
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

126-13, Nitrate

Enter C_{CL} $\Rightarrow$ 10

Enter C_o $\Rightarrow$ 29.6

Enter k_{point} $\Rightarrow$ 0.1134

Time to reach cleanup level 9.6 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

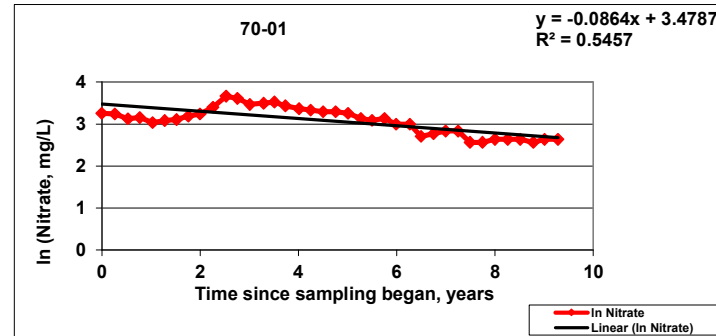
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 70-01

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/12/15 years
12-Nov-15		26.0	26000	3.258	0.00
16-Feb-16		25.6	25600	3.243	0.26
24-May-16		22.8	22800	3.127	0.53
19-Aug-16		23.5	23500	3.157	0.77
22-Nov-16		20.8	20800	3.035	1.03
20-Feb-17		21.8	21800	3.082	1.28
19-May-17		22.4	22400	3.109	1.52
14-Aug-17		24.3	24300	3.190	1.76
9-Nov-17		25.6	25600	3.243	1.99
13-Feb-18		30	30000	3.401	2.26
21-May-18		39	39000	3.664	2.52
15-Aug-18		37	37000	3.611	2.76
15-Nov-18		32	32000	3.466	3.01
26-Feb-19		33	33000	3.497	3.29
16-May-19		34	34000	3.526	3.51
7-Aug-19		31	31000	3.434	3.74
15-Nov-19		29	29000	3.367	4.01
10-Feb-20		28	28000	3.332	4.25
13-May-20		27	27000	3.296	4.50
14-Aug-20		27	27000	3.296	4.76
12-Nov-20		26	26000	3.258	5.01
16-Feb-21		23	23000	3.135	5.27
10-May-21		22	22000	3.091	5.50
10-Aug-21		23	23000	3.135	5.75
5-Nov-21		20	20000	2.996	5.99
15-Feb-22		20	20000	2.996	6.27
9-May-22		15	15000	2.708	6.49
9-Aug-22		16	16000	2.773	6.75
8-Nov-22		17	17000	2.833	6.99
9-Feb-23		17	17000	2.833	7.25
8-May-23		13	13000	2.565	7.49
9-Aug-23		13	13000	2.565	7.75
9-Nov-23		14	14000	2.639	8.00
12-Feb-24		14	14000	2.639	8.26
14-May-24		14	14000	2.639	8.51
20-Aug-24		13	13000	2.565	8.78
12-Nov-24		14	14000	2.639	9.01
19-Feb-25		14	14000	2.639	9.28
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

70-01, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	26
Enter k _{point}	⇒	0.0864
Time to reach cleanup level		11.1 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

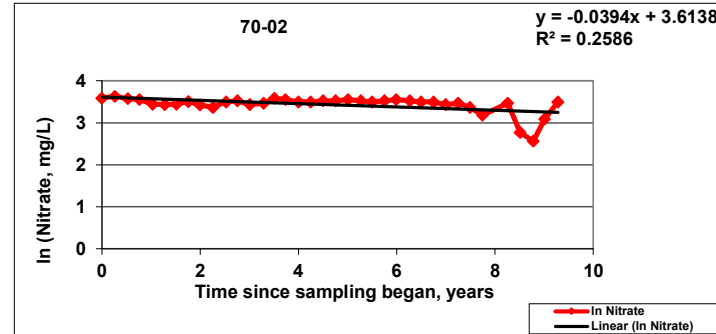
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 70-02

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/12/15 years
12-Nov-15		36.1	36100	3.586	0.00
16-Feb-16		37.7	37700	3.630	0.26
23-May-16		35.9	35900	3.581	0.53
18-Aug-16		35.0	35000	3.555	0.77
22-Nov-16		31.3	31300	3.444	1.03
20-Feb-17		31.0	31000	3.434	1.28
19-May-17		31.3	31300	3.444	1.52
14-Aug-17		33.4	33400	3.509	1.76
9-Nov-17		30.7	30700	3.424	1.99
13-Feb-18		29	29000	3.367	2.26
21-May-18		33	33000	3.497	2.52
15-Aug-18		34	34000	3.526	2.76
14-Nov-18		31	31000	3.434	3.01
26-Feb-19		32	32000	3.466	3.29
16-May-19		36	36000	3.584	3.51
6-Aug-19		35	35000	3.555	3.73
12-Nov-19		33	33000	3.497	4.00
10-Feb-20		33	33000	3.497	4.25
13-May-20		34	34000	3.526	4.50
14-Aug-20		34	34000	3.526	4.76
12-Nov-20		35	35000	3.555	5.01
16-Feb-21		34	34000	3.526	5.27
10-May-21		33	33000	3.497	5.50
10-Aug-21		34	34000	3.526	5.75
5-Nov-21		35	35000	3.555	5.99
15-Feb-22		34	34000	3.526	6.27
9-May-22		33	33000	3.497	6.49
9-Aug-22		33	33000	3.497	6.75
8-Nov-22		31	31000	3.434	6.99
9-Feb-23		32	32000	3.466	7.25
8-May-23		29	29000	3.367	7.49
9-Aug-23		24	24000	3.178	7.75
12-Feb-24		32	32000	3.466	8.26
14-May-24		16	16000	2.773	8.51
20-Aug-24		13	13000	2.565	8.78
12-Nov-24		22	22000	3.091	9.01
19-Feb-25		33	33000	3.497	9.28
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

70-02, Nitrate			
Enter C _{CL}	⇒	10	
Enter C _o	⇒	36.1	
Enter k _{point}	⇒	0.0394	
Time to reach cleanup level		32.6	years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

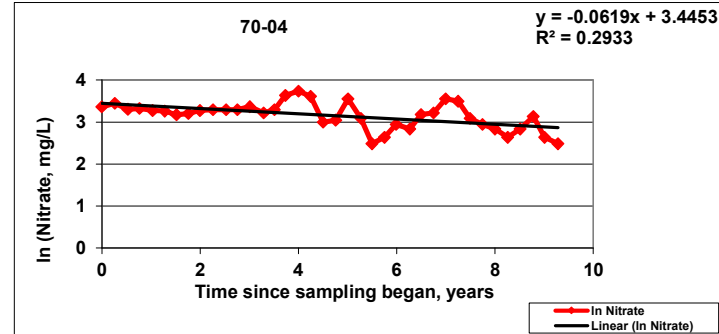
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 70-04

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/12/15 years
12-Nov-15		28.9	28900	3.364	0.00
16-Feb-16		31.4	31400	3.447	0.26
23-May-16		27.3	27300	3.307	0.53
18-Aug-16		27.8	27800	3.325	0.77
22-Nov-16		26.5	26500	3.277	1.03
20-Feb-17		26.1	26100	3.262	1.28
19-May-17		23.9	23900	3.174	1.52
14-Aug-17		24.6	24600	3.203	1.76
9-Nov-17		26.5	26500	3.277	1.99
13-Feb-18		27	27000	3.296	2.26
21-May-18		27	27000	3.296	2.52
15-Aug-18		27	27000	3.296	2.76
14-Nov-18		29	29000	3.367	3.01
26-Feb-19		25	25000	3.219	3.29
16-May-19		27	27000	3.296	3.51
6-Aug-19		38	38000	3.638	3.73
12-Nov-19		42	42000	3.738	4.00
10-Feb-20		37	37000	3.611	4.25
13-May-20		20	20000	2.996	4.50
14-Aug-20		21	21000	3.045	4.76
12-Nov-20		35	35000	3.555	5.01
16-Feb-21		22	22000	3.091	5.27
10-May-21		12	12000	2.485	5.50
10-Aug-21		14	14000	2.639	5.75
5-Nov-21		19	19000	2.944	5.99
15-Feb-22		17	17000	2.833	6.27
9-May-22		24	24000	3.178	6.49
9-Aug-22		25	25000	3.219	6.75
8-Nov-22		35	35000	3.555	6.99
9-Feb-23		33	33000	3.497	7.25
8-May-23		22	22000	3.091	7.49
9-Aug-23		19	19000	2.944	7.75
9-Nov-23		17	17000	2.833	8.00
12-Feb-24		14	14000	2.639	8.26
14-May-24		17	17000	2.833	8.51
20-Aug-24		23	23000	3.135	8.78
12-Nov-24		14	14000	2.639	9.01
19-Feb-25		12	12000	2.485	9.28
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

70-04, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 28.9

Enter k_{point} ⇒ 0.0619

Time to reach cleanup level 17.1 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

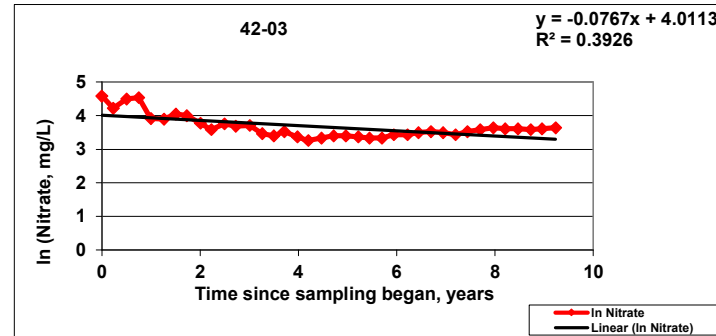
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 42-03

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 12/1/15 years
1-Dec-15		97.9	97900	4.584	0.00
23-Feb-16		68.0	68000	4.220	0.23
1-Jun-16		90.0	90000	4.500	0.50
31-Aug-16		93.5	93500	4.538	0.75
28-Nov-16		50.2	50200	3.916	0.99
6-Mar-17		49.2	49200	3.896	1.26
2-Jun-17		57.1	57100	4.045	1.50
23-Aug-17		54.5	54500	3.998	1.73
1-Dec-17		43.6	43600	3.775	2.00
21-Feb-18		36	36000	3.584	2.23
29-May-18		43	43000	3.761	2.49
22-Aug-18		40	40000	3.689	2.73
4-Dec-18		41	41000	3.714	3.01
6-Mar-19		32	32000	3.466	3.26
30-May-19		30	30000	3.401	3.50
16-Aug-19		34	34000	3.526	3.71
22-Nov-19		29	29000	3.367	3.98
11-Feb-20		26	26000	3.258	4.20
20-May-20		28	28000	3.332	4.47
18-Aug-20		30	30000	3.401	4.72
16-Nov-20		30	30000	3.401	4.96
17-Feb-21		29	29000	3.367	5.22
11-May-21		28	28000	3.332	5.45
10-Aug-21		28	28000	3.332	5.70
8-Nov-21		31	31000	3.434	5.94
16-Feb-22		31	31000	3.434	6.22
10-May-22		33	33000	3.497	6.44
10-Aug-22		34	34000	3.526	6.70
9-Nov-22		33	33000	3.497	6.95
10-Feb-23		31	31000	3.434	7.20
9-May-23		34	34000	3.526	7.44
11-Aug-23		36	36000	3.584	7.70
16-Nov-23		38	38000	3.638	7.96
13-Feb-24		37	37000	3.611	8.21
17-May-24		37	37000	3.611	8.47
21-Aug-24		36	36000	3.584	8.73
13-Nov-24		37	37000	3.611	8.96
21-Feb-25		38	38000	3.638	9.23
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

42-03, Nitrate

Enter C_{CL} ⇒ **10**

Enter C_o ⇒ **97.9**

Enter k_{point} ⇒ **0.0767**

Time to reach cleanup level 29.7 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

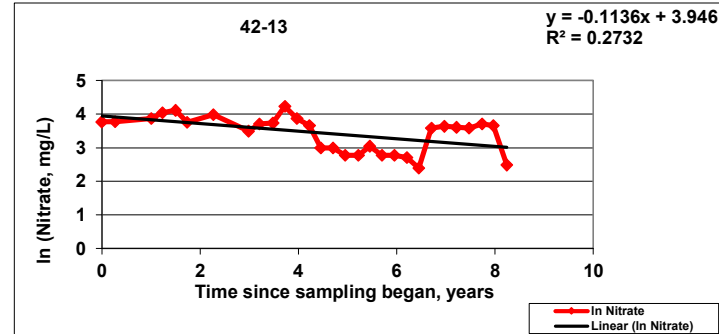
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 42-13

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	ln Nitrate mg/L	Elapsed time since 11/28/16 years
28-Nov-16		43.5	43500	3.773	0.00
6-Mar-17		43.6	43600	3.775	0.27
1-Dec-17		48.0	48000	3.871	1.01
21-Feb-18		57	57000	4.043	1.23
29-May-18		61	61000	4.111	1.50
22-Aug-18		43	43000	3.761	1.73
6-Mar-19		54	54000	3.989	2.27
22-Nov-19		33	33000	3.497	2.98
11-Feb-20		41	41000	3.714	3.21
22-May-20		42	42000	3.738	3.48
18-Aug-20		69	69000	4.234	3.72
16-Nov-20		48	48000	3.871	3.97
17-Feb-21		39	39000	3.664	4.22
11-May-21		20	20000	2.996	4.45
11-Aug-21		20	20000	2.996	4.70
8-Nov-21		16	16000	2.773	4.95
16-Feb-22		16	16000	2.773	5.22
10-May-22		21	21000	3.045	5.45
10-Aug-22		16	16000	2.773	5.70
9-Nov-22		16	16000	2.773	5.95
10-Feb-23		15	15000	2.708	6.21
9-May-23		11	11000	2.398	6.45
11-Aug-23		36	36000	3.584	6.70
16-Nov-23		38	38000	3.638	6.97
13-Feb-24		37	37000	3.611	7.21
17-May-24		36	36000	3.584	7.47
21-Aug-24		41	41000	3.714	7.73
13-Nov-24		39	39000	3.664	7.96
21-Feb-25		12	12000	2.485	8.24
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

42-13, Nitrate

Enter C _{CL}	⇒	10
Enter C _o	⇒	43.5
Enter k _{point}	⇒	0.1136
Time to reach cleanup level		12.9 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

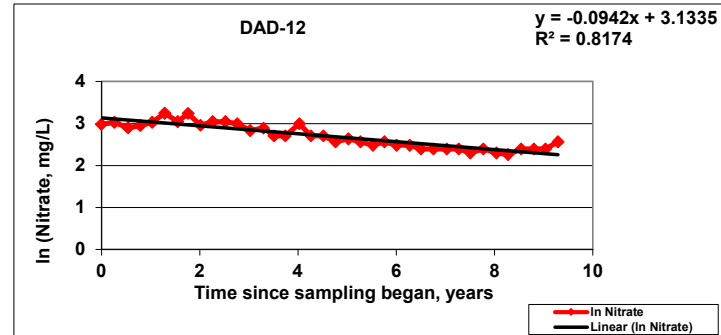
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well DAD-12

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/24/15 years
24-Nov-15		19.8	19800	2.986	0.00
29-Feb-16		20.7	20700	3.030	0.27
8-Jun-16		18.2	18200	2.901	0.54
8-Sep-16		19.2	19200	2.955	0.79
5-Dec-16		20.7	20700	3.030	1.03
8-Mar-17		25.7	25700	3.246	1.29
12-Jun-17		21.0	21000	3.045	1.55
28-Aug-17		25.6	25600	3.243	1.76
29-Nov-17		19.3	19300	2.960	2.02
27-Feb-18		21	21000	3.045	2.26
1-Jun-18		21	21000	3.045	2.52
28-Aug-18		20	20000	2.996	2.76
3-Dec-18		17	17000	2.833	3.03
11-Mar-19		18	18000	2.890	3.30
28-May-19		15	15000	2.708	3.51
20-Aug-19		15	15000	2.708	3.74
3-Dec-19		20	20000	2.996	4.03
26-Feb-20		15	15000	2.708	4.26
29-May-20		15	15000	2.708	4.52
27-Aug-20		13	13000	2.565	4.76
30-Nov-20		14	14000	2.639	5.02
1-Mar-21		13	13000	2.565	5.27
1-Jun-21		12	12000	2.485	5.52
25-Aug-21		13	13000	2.565	5.76
23-Nov-21		12	12000	2.485	6.00
3-Mar-22		12	12000	2.485	6.28
24-May-22		11	11000	2.398	6.50
25-Aug-22		11	11000	2.398	6.76
1-Dec-22		11	11000	2.398	7.02
2-Mar-23		11	11000	2.398	7.27
25-May-23		10	10000	2.303	7.50
30-Aug-23		11	11000	2.398	7.77
5-Dec-23		10	10000	2.303	8.04
1-Mar-24		10	9600	2.262	8.27
6-Jun-24		11	11000	2.398	8.54
9-Sep-24		11	11000	2.398	8.80
4-Dec-24		11	11000	2.398	9.04
7-Mar-25		13	13000	2.565	9.29
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹

= slope of the line, y

Solutions

DAD-12, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	19.8
Enter k _{point}	⇒	0.0942
Time to reach cleanup level		7.3 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

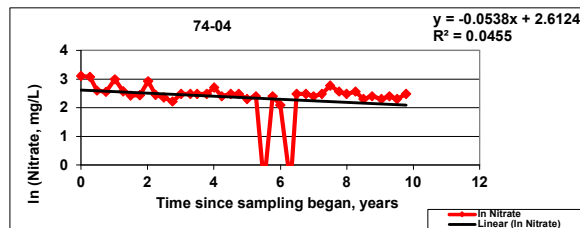
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Buena Vista Dairy II 74-04

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/3/09 years
20-May-15		22.4	3.109	0.00
24-Aug-15		21.7	3.077	0.26
12-Nov-15		13.5	2.603	0.48
18-Feb-16		12.9	2.557	0.75
25-May-16		20.0	2.996	1.02
25-Aug-16		13.1	2.573	1.27
15-Nov-16		11.3	2.425	1.49
24-Feb-17		11.5	2.442	1.77
26-May-17		18.6	2.923	2.02
16-Aug-17		11.6	2.451	2.24
14-Nov-17		10.6	2.361	2.49
19-Feb-18		9.2	2.219	2.76
23-May-18		12	2.485	3.01
31-Aug-18		12	2.485	3.28
16-Nov-18		12	2.485	3.50
1-Mar-19		12	2.485	3.78
21-May-19		15	2.708	4.01
14-Aug-19		11	2.398	4.24
20-Nov-19		12	2.485	4.51
14-Feb-20		12	2.485	4.74
18-May-20		10	2.303	5.00
21-Aug-20		11	2.398	5.26
17-Nov-20		1	-0.693	5.50
22-Feb-21		11	2.398	5.77
17-May-21		8.1	2.092	6.00
7-Sep-21		0.5	-0.693	6.31
12-Nov-21		12	2.485	6.49
23-Feb-22		12	2.485	6.77
16-May-22		11	2.398	6.99
16-Aug-22		12	2.485	7.25
15-Nov-22		16	2.773	7.50
21-Feb-23		13	2.565	7.76
15-May-23		12	2.485	7.99
21-Aug-23		13	2.565	8.26
17-Nov-23		10	2.303	8.50
19-Feb-24		11	2.398	8.76
31-May-24		10	2.303	9.04
29-Aug-24		11	2.398	9.28
19-Nov-24		10	2.303	9.51
26-Feb-25		12	2.485	9.78
NMWQCC		10	2.303	



Solutions

74-04, Nitrate

Enter C_{CL} $\Rightarrow$ 10

Enter C_o $\Rightarrow$ 22.4

Enter k_{point} $\Rightarrow$ 0.0538

Time to reach cleanup level 15.0 years

Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹

= slope of the line, y

First-Order Decay Rate Calculation for Monitored Natural Attenuation

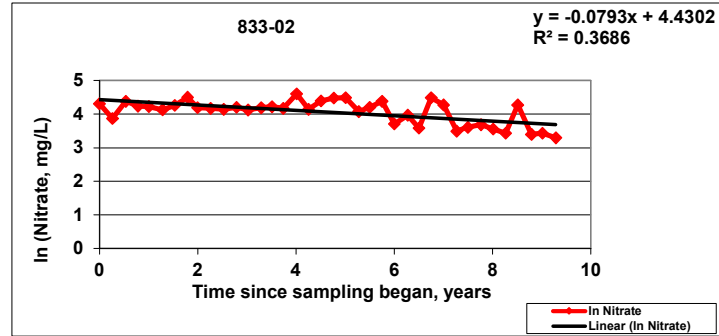
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 833-02

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/18/15 years
18-Nov-15		74.5	74500	4.311	0.00
22-Feb-16		48.0	48000	3.871	0.26
31-May-16		80	79900	4.381	0.53
29-Aug-16		69.5	69500	4.241	0.78
18-Nov-16		68.5	68500	4.227	1.00
28-Feb-17		62.3	62300	4.132	1.28
30-May-17		71.2	71200	4.265	1.53
1-Sep-17		90.2	90200	4.502	1.79
16-Nov-17		66.4	66400	4.196	2.00
21-Feb-18		65	65000	4.174	2.26
29-May-18		63	63000	4.143	2.53
31-Aug-18		67	67000	4.205	2.79
26-Nov-18		62	62000	4.127	3.02
4-Mar-19		66	66000	4.190	3.29
22-May-19		68	68000	4.220	3.51
14-Aug-19		65	65000	4.174	3.74
21-Nov-19		100	100000	4.605	4.01
17-Feb-20		63	63000	4.143	4.25
20-May-20		81	81000	4.394	4.51
24-Aug-20		88	88000	4.477	4.77
18-Nov-20		89	89000	4.489	5.01
24-Feb-21		59	59000	4.078	5.27
18-May-21		67	67000	4.205	5.50
17-Aug-21		80	80000	4.382	5.75
16-Nov-21		41	41000	3.714	6.00
24-Feb-22		53	53000	3.970	6.27
18-May-22		36	36000	3.584	6.50
17-Aug-22		89	89000	4.489	6.75
17-Nov-22		72	72000	4.277	7.00
22-Feb-23		33	33000	3.497	7.27
16-May-23		37	37000	3.611	7.50
22-Aug-23		40	40000	3.689	7.76
20-Nov-23		35	35000	3.555	8.01
20-Feb-24		31	31000	3.434	8.26
21-May-24		72	72000	4.277	8.51
30-Aug-24		30	30000	3.401	8.79
20-Nov-24		31	31000	3.434	9.01
27-Feb-25		27	27000	3.296	9.28
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹

= slope of the line, y

Solutions

833-02, Nitrate

Enter C_{CL}	⇒	10
Enter C_o	⇒	74.5
Enter k_{point}	⇒	0.0793
Time to reach cleanup level		25.3 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

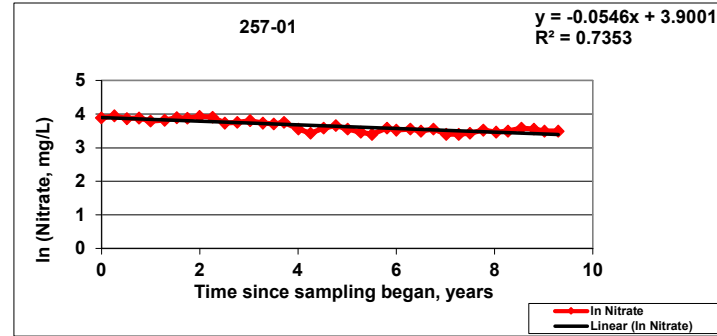
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 257-01

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 11/19/15 years
19-Nov-15		49.1	49100	3.894	0.00
22-Feb-16		51.9	51900	3.949	0.26
26-May-16		47.7	47700	3.865	0.52
25-Aug-16		48.7	48700	3.886	0.77
16-Nov-16		44.4	44400	3.793	0.99
2-Mar-17		45.5	45500	3.818	1.28
31-May-17		49.3	49300	3.898	1.53
18-Aug-17		48.5	48500	3.882	1.75
16-Nov-17		51.1	51100	3.934	1.99
20-Feb-18		50	50000	3.912	2.26
23-May-18		42	42000	3.738	2.51
23-Aug-18		43	43000	3.761	2.76
27-Nov-18		45	45000	3.807	3.02
1-Mar-19		42	42000	3.738	3.28
21-May-19		41	41000	3.714	3.50
6-Aug-19		43	43000	3.761	3.72
21-Nov-19		35	35000	3.555	4.01
18-Feb-20		31	31000	3.434	4.25
26-May-20		36	36000	3.584	4.52
25-Aug-20		39	39000	3.664	4.77
20-Nov-20		35	35000	3.555	5.01
25-Feb-21		32	32000	3.466	5.27
20-May-21		30	30000	3.401	5.50
8-Sep-21		36	36000	3.584	5.81
17-Nov-21		34	34000	3.526	6.00
28-Feb-22		35	35000	3.555	6.28
19-May-22		33	33000	3.497	6.50
19-Aug-22		35	35000	3.555	6.75
22-Nov-22		30	30000	3.401	7.01
24-Feb-23		30	30000	3.401	7.27
17-May-23		31	31000	3.434	7.50
24-Aug-23		34	34000	3.526	7.77
28-Nov-23		32	32000	3.466	8.03
23-Feb-24		33	33000	3.497	8.27
3-Jun-24		36	36000	3.584	8.55
3-Sep-24		35	35000	3.555	8.80
22-Nov-24		33	33000	3.497	9.02
3-Mar-25		33	33000	3.497	9.29
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

257-01, Nitrate			
Enter C_{CL}	⇒	10	
Enter C_o	⇒	49.1	
Enter k_{point}	⇒	0.0546	
Time to reach cleanup level		29.1	years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

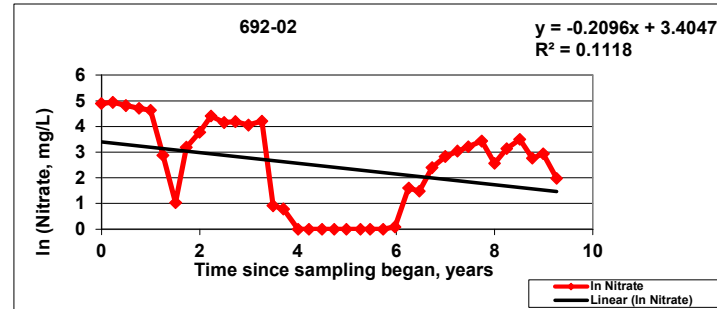
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well 692-02

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	ln Nitrate mg/L	Elapsed time since 12/2/15 years
2-Dec-15		134	134000	4.898	0.00
24-Feb-16		140	140000	4.942	0.23
31-May-16		124	124000	4.820	0.50
6-Sep-16		111	111000	4.710	0.76
30-Nov-16		103	103000	4.635	1.00
2-Mar-17		17.8	17800	2.879	1.25
5-Jun-17		2.82	2820	1.037	1.51
23-Aug-17		24.4	24400	3.195	1.73
30-Nov-17		43.4	43400	3.770	2.00
23-Feb-18		82	82000	4.407	2.23
30-May-18		64	64000	4.159	2.49
23-Aug-18		66	66000	4.190	2.73
27-Nov-18		58	58000	4.060	2.99
7-Mar-19		67	67000	4.205	3.26
29-May-19		2.5	2500	0.916	3.49
15-Aug-19		2.2	2200	0.788	3.70
2-Dec-19		1	1000	0.000	4.00
19-Feb-20		1	1000	0.000	4.22
26-May-20		1	1000	0.000	4.48
26-Aug-20		1	1000	0.000	4.74
23-Nov-20		1	1000	0.000	4.98
9-Mar-21		1	1000	0.000	5.27
20-May-21		1	1000	0.000	5.47
23-Aug-21		1	1000	0.000	5.73
19-Nov-21		1.1	1100	0.095	5.97
1-Mar-22		5.0	5000	1.609	6.25
20-May-22		4.4	4400	1.482	6.47
22-Aug-22		11	11000	2.398	6.73
28-Nov-22		17	17000	2.833	6.99
27-Feb-23		21	21000	3.045	7.24
18-May-23		25	25000	3.219	7.46
25-Aug-23		31	31000	3.434	7.73
29-Nov-23		13	13000	2.565	8.00
27-Feb-24		23	23000	3.135	8.24
4-Jun-24		33	33000	3.497	8.51
4-Sep-24		16	16000	2.773	8.76
26-Nov-24		19	19000	2.944	8.99
4-Mar-25		7.3	7300	1.988	9.26
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
= slope of the line, y

Solutions

692-02, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 134

Enter k_{point} ⇒ 0.2096

Time to reach cleanup level 12.4 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

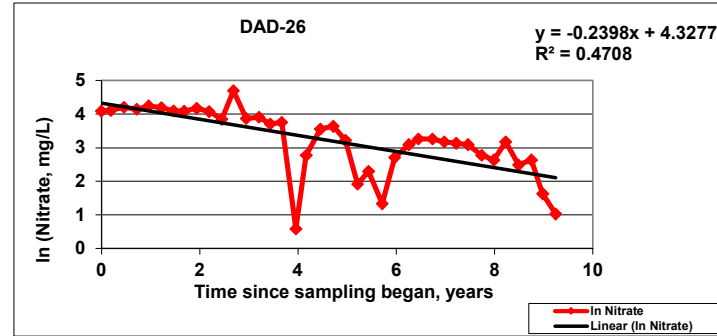
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Well DAD-26

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 12/22/15 years
22-Dec-15		59.6	59600	4.088	0.00
1-Mar-16		61.1	61100	4.113	0.19
6-Jun-16		67.0	67000	4.205	0.46
8-Sep-16		63.2	63200	4.146	0.72
6-Dec-16		69.6	69600	4.243	0.96
10-Mar-17		66.3	66300	4.194	1.22
9-Jun-17		60.5	60500	4.103	1.47
28-Aug-17		59.8	59800	4.091	1.68
28-Nov-17		65.1	65100	4.176	1.94
28-Feb-18		59	59000	4.078	2.19
4-Jun-18		47	47000	3.850	2.45
28-Aug-18		110	110000	4.700	2.68
30-Nov-18		48	48000	3.871	2.94
7-Mar-19		50	50000	3.912	3.21
28-May-19		41	41000	3.714	3.43
21-Aug-19		43	43000	3.761	3.67
6-Dec-19		1.8	1800	0.588	3.96
19-Feb-20		16	16000	2.773	4.16
3-Jun-20		35	35000	3.555	4.45
8-Sep-20		38	38000	3.638	4.72
7-Dec-20		25	25000	3.219	4.96
8-Mar-21		6.8	6800	1.917	5.21
28-May-21		10	10000	2.303	5.44
7-Sep-21		3.8	3800	1.335	5.72
8-Dec-21		15	15000	2.708	5.97
23-Mar-22		22	22000	3.091	6.25
2-Jun-22		26	26000	3.258	6.45
14-Sep-22		26	26000	3.258	6.73
12-Dec-22		24	24000	3.178	6.98
10-Mar-23		23	23000	3.135	7.22
6-Jun-23		22	22000	3.091	7.46
14-Sep-23		16	16000	2.773	7.73
15-Dec-23		14	14000	2.639	7.99
11-Mar-24		24	24000	3.178	8.22
14-Jun-24		12	12000	2.485	8.48
19-Sep-24		14	14000	2.639	8.75
12-Dec-24		5.1	5100	1.629	8.98
17-Mar-25		2.8	2800	1.030	9.24
NMWQCC		10	1000	2.303	



Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C_{CL} = Cleanup level for contaminant of concern, mg/L

C_o = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹

= slope of the line, y

Solutions

DAD-26, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	59.6
Enter k _{point}	⇒	0.2398
Time to reach cleanup level		7.4 years