Appendix G. Status in C14 productivity at all stations and for all seasons, for the period of 2001 through 2003. See the method section of the report for definitions of Seasons.

Station	Season	Layer	Median	Score	Status
TF5.5	Annual	AP	122.55	84.07	Poor
RET5.2	Annual	AP	35.07	40.68	Fair
LE5.5	Annual	AP	47.63	77.78	Poor
SBE5	Annual	AP	16.97	15.22	Good
TF4.2	Annual	AP	21.39	39.95	Fair
RET4.3	Annual	AP	49.12	52.93	Fair
WE4.2	Annual	AP	35.93	67.55	Poor
TF3.3	Annual	AP	77.11	67.95	Poor
RET3.1	Annual	AP	60.98	63.71	Poor
LE3.6	Annual	AP	26.57	29.45	Good
CB6.1	Annual	AP	16.84	19.21	Good
CB6.4	Annual	AP	24.19	47.91	Fair
CB7.3E	Annual	AP	15.98	30.25	Good
CB7.4	Annual	AP	18.79	33.29	Good
TF5.5	Fall	AP	122.55	93.66	Poor
RET5.2	Fall	AP	11.72	27.44	Good
LE5.5	Fall	AP	30.35	71.51	Poor
SBE5	Fall	AP	8.98	10.65	Good
TF4.2	Fall	AP	25.43	67.19	Poor
RET4.3	Fall	AP	30.69	50.73	Fair
WE4.2	Fall	AP	28.55	68.75	Poor
TF3.3	Fall	AP	77.11	80.16	Poor
RET3.1	Fall	AP	49.78	78.36	Poor
LE3.6	Fall	AP	38.01	65.51	Poor
CB6.1	Fall	AP	36.38	59.64	Poor
CB6.4	Fall	AP	38.10	80.57	Poor
CB7.3E	Fall	AP	19.96	50.93	Fair
CB7.4	Fall	AP	23.42	58.24	Fair
TF5.5	SAV1	AP	86.67	79.06	Poor
RET5.2	SAV1	AP	31.40	36.11	Good
LE5.5	SAV1	AP	41.63	78.11	Poor
SBE5	SAV1	AP	13.47	9.63	Good
TF4.2	SAV1	AP	21.39	38.77	Good
RET4.3	SAV1	AP	32.77	40.39	Fair
WE4.2	SAV1	AP	35.52	70.27	Poor
TF3.3	SAV1	AP	74.54	68.02	Poor
RET3.1	SAV1	AP	58.63	65.36	Poor
LE3.6	SAV1	AP	18.38	23.59	Good
CB6.1	SAV1	AP	16.84	20.01	Good
CB6.4	SAV1	AP	27.71	61.69	Poor
CB7.3E	SAV1	AP	18.37	39.63	Good
CB7.4	SAV1	AP	15.31	34.21	Good
TF5.5	SAV2	AP	150.23	79.66	Poor
RET5.2	SAV2	AP	38.29	29.25	Good
LE5.5	SAV2	AP	57.18	78.88	Poor
SBE5	SAV2	AP	19.95	11.73	Good
TF4.2	SAV2	AP	25.55	22.77	Good
RET4.3	SAV2	AP	50.16	46.34	Fair
WE4.2	SAV2	AP	49.02	71.83	Poor
TF3.3	SAV2	AP	80.93	57.19	Fair
RET3.1	SAV2	AP	76.16	64.31	Poor
LE3.6	SAV2	AP	37.11	30.08	Good
CB6.1	SAV2	AP	27.00	18.72	Good
CB6.4	SAV2	AP	27.04	49.08	Fair
CB7.3E	SAV2	AP	17.95	29.69	Good
CB7.4	SAV2	AP	20.20	33.41	Good

Station	Season	Layer	Median	Score	Status
TF5.5	Spring1	AP	47.99	67.23	Poor
RET5.2	Spring1	AP	39.32	52.86	Fair
LE5.5	Spring1	AP	44.81	80.74	Poor
SBE5	Spring1	AP	15.46	15.22	Good
TF4.2	Spring1	AP	18.81	37.85	Good
RET4.3	Spring1	AP	51.45	58.23	Fair
WE4.2	Spring1	AP	27.97	70.81	Poor
TF3.3	Spring1	AP	81.22	76.69	Poor
RET3.1	Spring1	AP	64.03	66.87	Poor
LE3.6	Spring1	AP	8.41	7.46	Good
CB6.1	Spring1	AP	13.18	13.17	Good
CB6.4	Spring1	AP	18.21	55.30	Fair
CB7.3E	Spring1	AP	13.36	33.67	Good
CB7.4	Spring1	AP	7.52	16.75	Good
TF5.5	Spring2	AP	106.21	77.23	Poor
RET5.2	Spring2	AP	42.19	46.07	Fair
LE5.5	Spring2	AP	44.81	78.90	Poor
SBE5	Spring2	AP	12.60	8.12	Good
TF4.2	Spring2	AP	21.51	24.71	Good
RET4.3	Spring2	AP	53.39	53.19	Fair
WE4.2	Spring2	AP	43.83	74.86	Poor
TF3.3	Spring2	AP	81.93	72.56	Poor
RET3.1	Spring2	AP	82.05	73.51	Poor
LE3.6	Spring2	AP	20.18	15.71	Good
CB6.1	Spring2	AP	16.82	11.84	Good
CB6.4	Spring2	AP	20.44	50.76	Fair
CB7.3E	Spring2	AP	17.35	42.00	Fair
CB7.4	Spring2	AP	10.75	23.48	Good
TF5.5	Summer1	AP	155.84	75.50	Poor
RET5.2	Summer1	AP	65.80	36.99	Good
LE5.5	Summer1	AP	66.06	80.57	Poor
SBE5	Summer1	AP	23.66	12.53	Good
TF4.2	Summer1	AP	23.85	12.73	Good
RET4.3	Summer1	AP	55.82	44.13	Fair
WE4.2	Summer1	AP	54.61	77.68	Poor
TF3.3	Summer1	AP	81.93	52.89	Fair
RET3.1	Summer1	AP	82.05	61.93	Fair
LE3.6	Summer1	AP	43.28	31.96	Good
CB6.1	Summer1	AP	31.95	20.39	Good
CB6.4	Summer1	AP	28.94	50.58	Fair
CB7.3E	Summer1	AP	15.98	22.96	Good
CB7.4	Summer1	AP	21.35	32.11	Good
TF5.5	Summer2	AP	185.68	78.93	Poor
RET5.2	Summer2	AP	65.80	33.27	Good
LE5.5	Summer2	AP	66.75	80.63	Poor
SBE5	Summer2	AP	28.61	16.55	Good
TF4.2	Summer2	AP	32.93	20.80	Good
RET4.3	Summer2	AP	58.25	44.78	Fair
WE4.2	Summer2	AP	58.71	77.08	Poor
TF3.3	Summer2	AP	89.38	51.31	Fair
RET3.1	Summer2	AP	67.05	54.20	Fair
LE3.6	Summer2	AP	48.11	33.99	Good
CB6.1	Summer2	AP	29.79	17.11	Good
CB6.4	Summer2	AP	31.51	50.58	Fair
CB7.3E	Summer2	AP	15.99	22.08	Good
CB7.4	Summer2	AP	25.72	38.84	Fair

Station	Season	Layer	Median	Score	Status
TF5.5	Winter	AP	13.30	86.52	Poor
RET5.2	Winter	AP	10.97	45.65	Fair
LE5.5	Winter	AP	25.58	45.77	Fair
SBE5	Winter	AP	60.38	77.66	Poor
TF4.2	Winter	AP	14.61	77.94	Poor
RET4.3	Winter	AP	76.65	77.87	Poor
WE4.2	Winter	AP	16.12	19.40	Good
TF3.3	Winter	AP	25.54	69.02	Poor
RET3.1	Winter	AP	37.46	59.08	Fair
LE3.6	Winter	AP	13.67	20.11	Good
CB6.1	Winter	AP	7.39	11.37	Good
CB6.4	Winter	AP	9.31	9.36	Good
CB7.3E	Winter	AP	11.30	12.45	Good
CB7.4	Winter	AP	14.02	15.73	Good

Appendix H. Long term trends in C14 productivity at all stations and for all seasons, for the period of 1985 through 2003. See the method section of the report for definitions of Seasons.

Station	Season	P value	Slope	Baseline	Absolute Change	% Change	Homogeneity test P value	Direction
TF5.5	Annual	0.7535	0.14	32.33	2.04	6.31	0.3377	No Trend
RET5.2	Annual	0.0000	-4.22	125.14	-63.36	-50.63	0.0622	Improving
LE5.5	Annual	0.0026	-1.93	62.05	-28.89	-46.56	0.3685	Improving
SBE5	Annual	0.0000	-2.02	57.37	-26.29	-45.83	0.7653	Improving
TF4.2	Annual	0.5589	-0.07	10.29	-1.07	-10.42	0.4808	No Trend
RET4.3	Annual	0.2492	-0.60	34.81	-8.99	-25.83	0.4577	No Trend
WE4.2	Annual	0.0224	-1.09	50.54	-16.28	-32.21	0.2713	Improving
TF3.3	Annual	0.6379	0.22	51.88	3.28	6.32	0.8341	No Trend
RET3.1	Annual	0.3640	0.59	65.84	8.82	13.40	0.9831	No Trend
LE3.6	Annual	0.0362	-0.88	34.88	-13.25	-37.97	0.3051	Improving
CB6.1	Annual	0.0249	-1.02	23.89	-15.30	-64.04	0.7108	Improving
CB6.4	Annual	0.0220	-1.04	30.47	-15.53	-50.97	0.5480	Improving
CB7.3E	Annual	0.0075	-1.00	20.48	-15.03	-73.39	0.7359	Improving
CB7.4	Annual	0.6582	-0.14	15.95	-2.05	-12.84	0.9160	No Trend
TF5.5	Fall	0.0737	3.21	30.81	48.17	156.34	0.9130	No Trend
RET5.2	Fall	0.0003	-4.41	95.99	-66.18	-68.94	0.0451	Improving
LE5.5	Fall	0.5753	-0.64	43.17	-9.60	-22.24	0.0992	No Trend
SBE5	Fall	0.0909	-0.47	14.56	-6.06	-41.64	0.9010	No Trend
TF4.2	Fall	0.4162	0.24	9.94	3.63	36.49	0.6888	No Trend
RET4.3	Fall	0.9741	-0.01	17.10	-0.18	-1.04	0.6316	No Trend
WE4.2	Fall	0.3314	-0.69	41.40	-10.34	-24.99	0.1756	No Trend
TF3.3	Fall	0.1620	1.25	18.56	18.81	101.35	0.7804	No Trend
RET3.1	Fall	0.7206	0.47	30.03	7.05	23.48	0.9688	No Trend
LE3.6	Fall	0.4503	-0.60	26.71	-8.98	-33.60	0.8193	No Trend
CB6.1	Fall	0.5174	-0.66	21.30	-9.96	-46.76	0.9925	No Trend
CB6.4	Fall	0.3498	-0.70	37.23	-10.44	-28.05	0.8486	No Trend
CB7.3E	Fall	0.1336	-1.17	34.59	-17.55	-50.74	0.6598	No Trend
CB7.4	Fall	0.2618	0.33	16.45	4.88	29.64	0.8808	No Trend
CB6.1	SAV1	0.5620	-0.48	14.36	-50.06	-7.19	0.9472	No Trend
CB6.4	SAV1	0.3275	-0.72	24.89	-43.12	-10.73	0.6229	No Trend
CB7.3E	SAV1	0.1296	-0.85	16.97	-75.16	-12.76	0.6694	No Trend
CB7.4	SAV1	0.5048	-0.23	16.06	-21.13	-3.39	0.8702	No Trend
LE3.6	SAV1	0.6213	-0.29	33.63	-12.94	-4.35	0.4061	No Trend
LE5.5	SAV1	0.0245	-1.89	71.80	-39.47	-28.34	0.7922	Improving
RET3.1	SAV1	0.3801	0.87	80.30	16.22	13.03	0.9342	No Trend
RET4.3	SAV1	0.0600	-1.34	66.03	-30.52	-20.15	0.6455	No Trend
RET5.2	SAV1	0.0000	-6.78	156.71	-64.90	-101.71	0.4681	Improving
SBE5	SAV1	0.0000	-3.26	74.16	-57.10	-42.35	0.9962	Improving
TF3.3	SAV1	0.6160	-0.42	94.74	-6.60	-6.25	0.8098	No Trend
TF4.2	SAV1	0.4032	-0.27	27.86	-14.80	-4.12	0.2107	No Trend
TF5.5	SAV1	0.2330	-3.27	186.78	-26.29	-49.10	0.6658	No Trend
WE4.2	SAV1	0.3038	-0.75	52.94	-21.23	-11.24	0.4367	No Trend
CB6.1	SAV2	0.0300	-1.09	30.24	-54.26	-16.41	0.7374	Improving
CB6.4	SAV2	0.1375	-0.74	24.44	-45.54	-11.13	0.9261	No Trend
CB7.3E	SAV2	0.0765	-0.67	23.15	-43.57	-10.08	0.6549	No Trend
CB7.4	SAV2	0.0924	-0.70	24.44	-43.14	-10.54	0.9219	No Trend
LE3.6	SAV2	0.0131	-1.12	34.01	-49.62	-16.87	0.4255	Improving
LE5.5	SAV2	0.0267	-1.15	37.16	-46.55	-17.30	0.7775	Improving
RET3.1	SAV2	0.4778	-0.45	37.90	-17.81	-6.75	0.7661	No Trend
RET4.3	SAV2	0.1621	-0.67	35.95	-27.78	-9.99	0.7119	No Trend
RET5.2	SAV2	0.0250	-1.28	45.59	-42.20	-19.24	0.2876	Improving
SBE5	SAV2	0.0063	-1.29	35.95	-53.91	-19.38	0.8629	Improving
TF3.3	SAV2	0.5049	-0.39	37.90	-15.33	-5.81	0.7012	No Trend
TF4.2	SAV2	0.6942	-0.10	27.70	-5.43	-1.51	0.5596	No Trend
TF5.5	SAV2	0.5123	-0.41	33.23	-18.28	-6.08	0.2810	No Trend
WE4.2	SAV2	0.0113	-1.15	37.87	-45.59	-17.26	0.7630	Improving

Appendix H. Continued.

Station	Season	P value	Slope	Baseline	Absolute Change	% Change	Direction	Homogeneity test P value
TF5.5	Spring1	0.5646	0.57	96.93	7.91	8.16	No Trend	0.1512
RET5.2	Spring1	0.0572	-5.13	155.08	-71.83	-46.32	No Trend	0.0739
LE5.5	Spring1	0.0672	-2.78	49.43	-38.92	-78.75	No Trend	0.4556
SBE5	Spring1	0.0059	-3.10	83.55	-40.26	-48.18	Improving	0.9518
TF4.2	Spring1	0.3258	0.14	6.81	2.00	29.30	No Trend	0.8476
RET4.3	Spring1	0.5646	-0.62	89.93	-8.65	-9.61	No Trend	0.4166
WE4.2	Spring1	0.0194	-2.01	47.37	-28.09	-59.30	Improving	0.5172
TF3.3	Spring1	0.6010	0.53	54.35	7.35	13.53	No Trend	0.7915
RET3.1	Spring1	0.6472	0.69	80.30	9.70	12.08	No Trend	0.9541
LE3.6	Spring1	0.0228	-2.12	40.46	-29.61	-73.18	Improving	0.1609
CB6.1	Spring1	0.0740	-1.91	23.35	-26.71	-114.40	No Trend	0.3968
CB6.4	Spring1	0.4767	-0.79	24.23	-10.99	-45.35	No Trend	0.8443
CB7.3E	Spring1	0.2477	-0.59	16.87	-8.28	-49.11	No Trend	0.2945
CB7.4	Spring1	0.3097	-0.74	13.53	-10.29	-76.05	No Trend	0.7559
TF5.5	Spring2	0.0840	-6.25	304.78	-87.54	-28.72	No Trend	0.4432
RET5.2	Spring2	0.0039	-7.57	161.52	-105.93	-65.58	Improving	0.2245
LE5.5	Spring2	0.1698	-2.21	49.43	-30.96	-62.64	No Trend	0.5778
SBE5	Spring2	0.0047	-3.38	83.55	-43.88	-52.51	Improving	0.9324
TF4.2	Spring2	0.5730	-0.28	61.91	-3.86	-6.24	No Trend	0.0227
RET4.3	Spring2	0.3598	-1.22	94.59	-17.10	-18.08	No Trend	0.1823
WE4.2	Spring2	0.2906	-1.59	46.64	-22.23	-47.66	No Trend	0.8240
TF3.3	Spring2	0.6113	-0.98	117.01	-13.65	-11.67	No Trend	0.7033
RET3.1	Spring2	0.6113	0.83	81.65	11.65	14.27	No Trend	0.9667
LE3.6	Spring2	0.3424	-1.34	33.60	-18.75	-55.81	No Trend	0.2023
CB6.1	Spring2	0.7148	-0.60	12.21	-8.39	-68.75	No Trend	0.5598
CB6.4	Spring2	0.3969	-1.17	23.34	-16.35	-70.03	No Trend	0.7570
CB7.3E	Spring2	0.4204	-0.77	16.87	-10.83	-64.20	No Trend	0.3919
CB7.4	Spring2	0.1950	-0.79	20.46	-11.10	-54.25	No Trend	0.9115
TF5.5	Summer1	0.1302	-6.14	376.57	-92.07	-24.45	No Trend	0.5669
RET5.2	Summer1	0.0000	-6.23	168.76	-93.41	-55.35	Improving	0.8305
LE5.5	Summer1	0.2440	-1.57	83.03	-23.61	-28.44	No Trend	0.9498
SBE5	Summer1	0.0009	-4.83	126.56	-62.84	-49.66	Improving	0.9434
TF4.2	Summer1	0.0408	-1.42	35.38	-21.27	-60.12	Improving	0.3971
RET4.3	Summer1	0.0272	-2.74	102.29	-41.05	-40.13	Improving	0.6600
WE4.2	Summer1	0.6140	0.42	78.75	6.26	7.94	No Trend	0.7576
TF3.3	Summer1	0.3710	-0.76	91.25	-11.47	-12.57	No Trend	0.5359
RET3.1	Summer1	0.5385	0.79	79.71	11.82	14.83	No Trend	0.6138
LE3.6	Summer1	0.5866	0.38	34.56	5.73	16.59	No Trend	0.7282
CB6.1	Summer1	0.9134	-0.10	12.34	-1.46	-11.80	No Trend	0.8657
CB6.4	Summer1	0.5433	-0.52	30.84	-7.80	-25.29	No Trend	0.2695
CB7.3E	Summer1	0.2241	-0.95	16.66	-14.18	-85.10	No Trend	0.5569
CB7.4	Summer1	0.7612	-0.14	13.97	-2.17	-15.53	No Trend	0.7611
TF5.5	Summer2	0.5043	-3.17	228.22	-47.52	-20.82	No Trend	0.8971
RET5.2	Summer2	0.0001	-6.17	175.35	-92.54	-52.78	Improving	0.7723
LE5.5	Summer2	0.3758	-1.54	93.98	-23.04	-24.51	No Trend	0.8690
SBE5	Summer2	0.0055	-4.83	126.56	-62.84	-49.66	Improving	0.8421
TF4.2	Summer2	0.3143	-0.75	17.39	-11.27	-64.83	No Trend	0.9870
RET4.3	Summer2	0.1352	-1.95	72.71	-29.31	-40.31	No Trend	0.7135
WE4.2	Summer2	0.5358	0.73	64.61	10.89	16.86	No Trend	0.6027
TF3.3	Summer2	0.6148	-0.51	85.46	-7.58	-8.86	No Trend	0.3886
RET3.1	Summer2	0.5293	0.86	71.81	12.87	17.92	No Trend	0.4149
LE3.6	Summer2	0.5436	0.49	34.88	7.38	21.15	No Trend	0.5379
CB6.1	Summer2	0.7615	-0.23	18.63	-3.38	-18.13	No Trend	0.7834
CB6.4	Summer2	0.8864	-0.13	30.84	-1.90	-6.16	No Trend	0.1980
CB7.3E	Summer2	0.3458	-0.69	16.66	-10.40	-62.45	No Trend	0.3646
CB7.4	Summer2	0.9317	-0.14	13.97	-2.06	-14.77	No Trend	0.6009

Appendix H. Continued.

Station	Season	P value	Slope	Baseline	Absolute Change	% Change	Direction	Homogeneity test P value
TF5.5	Winter	0.8462	0.05	7.58	0.56	7.32	No Trend	0.4379
RET4.3	Winter	0.1458	1.10	16.57	13.26	79.99	No Trend	0.9227
RET5.2	Winter	0.6981	-0.17	14.78	-2.05	-13.88	No Trend	0.3322
LE5.5	Winter	0.0022	-5.23	77.78	-73.15	-94.04	Improving	0.3478
SBE5	Winter	0.8462	-0.92	59.96	-11.02	-18.37	No Trend	0.0809
TF4.2	Winter	0.4972	-0.08	8.83	-0.95	-10.74	No Trend	0.7711
WE4.2	Winter	0.0091	-3.67	83.31	-51.45	-61.76	Improving	0.9250
TF3.3	Winter	0.9590	0.05	14.40	0.59	4.12	No Trend	0.7195
RET3.1	Winter	0.7187	0.28	29.03	3.33	11.47	No Trend	0.2249
LE3.6	Winter	0.0094	-2.43	50.25	-34.03	-67.72	Improving	0.5148
CB6.1	Winter	0.0072	-2.77	42.48	-38.74	-91.19	Improving	0.8346
CB6.4	Winter	0.0038	-2.98	47.46	-41.77	-88.02	Improving	0.4907
CB7.3E	Winter	0.0952	-1.75	33.88	-24.44	-72.13	No Trend	0.2003
CB7.4	Winter	0.3487	-0.50	16.34	-6.97	-42.62	No Trend	0.6750

Appendix I. Scatterplots of primary productivity.

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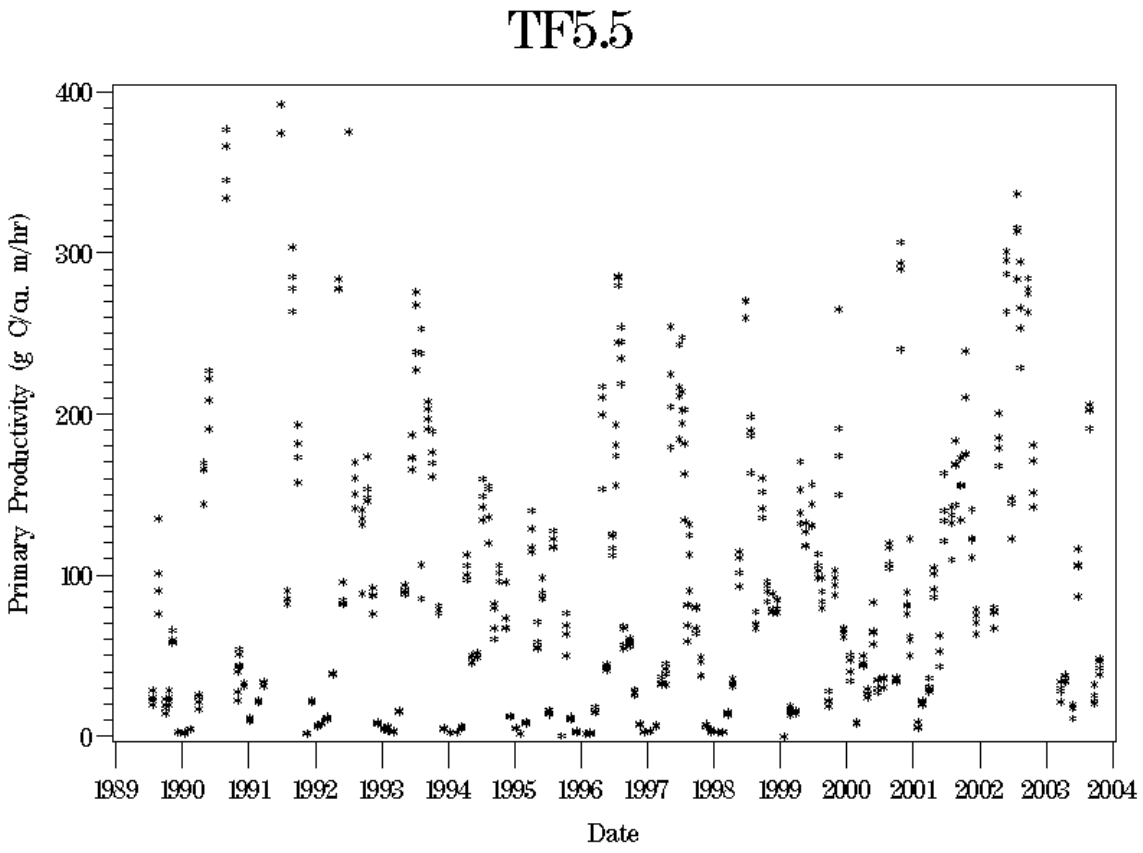

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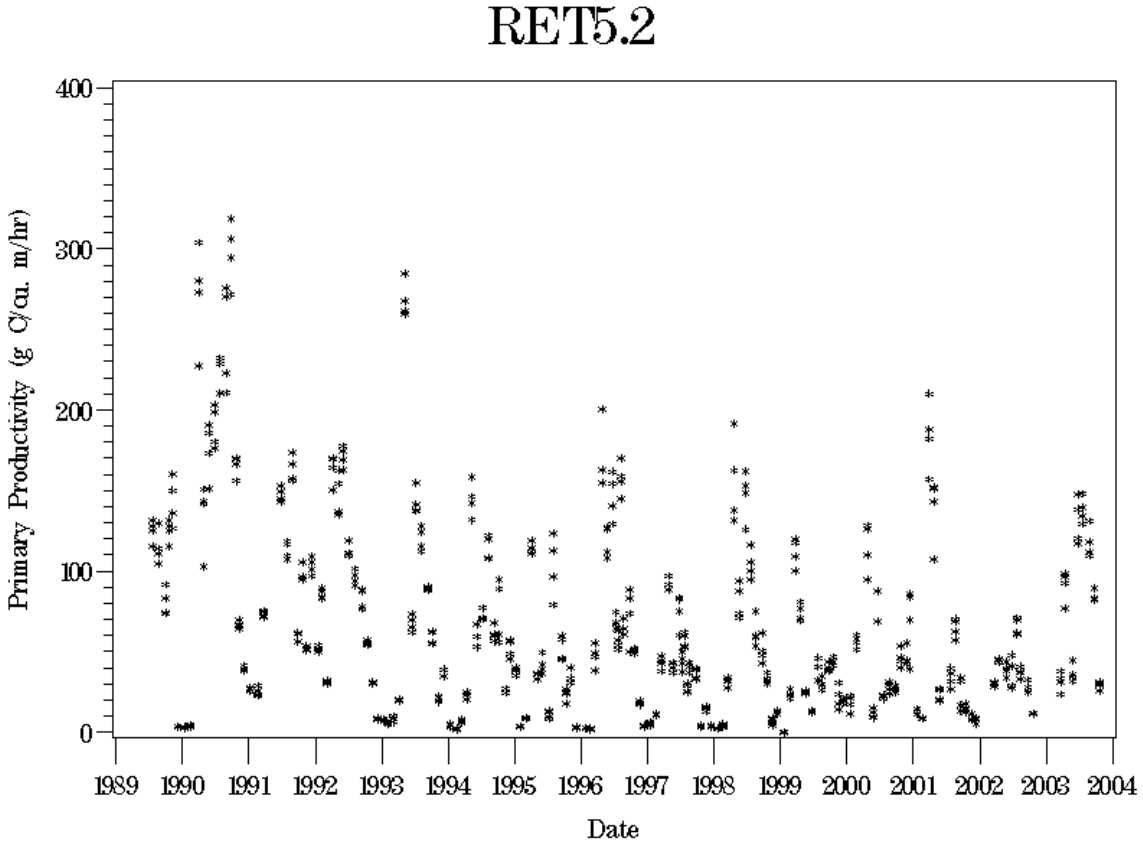

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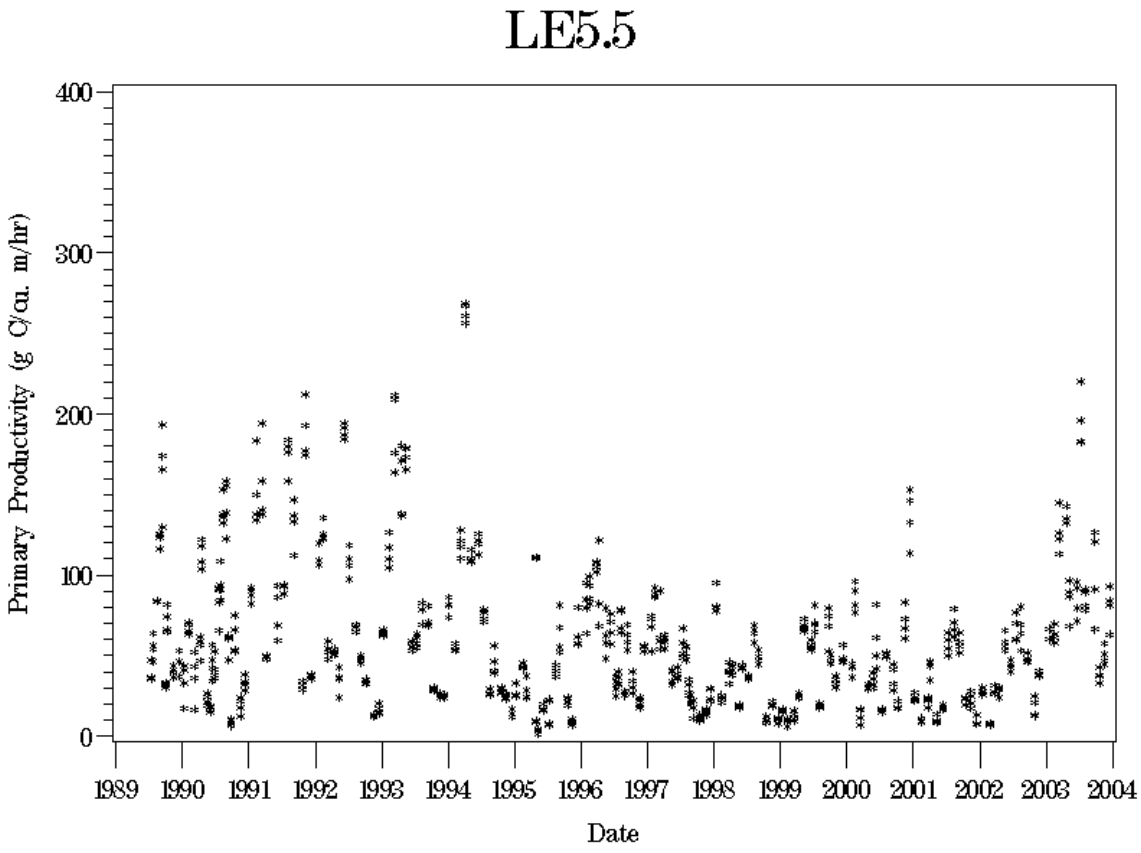

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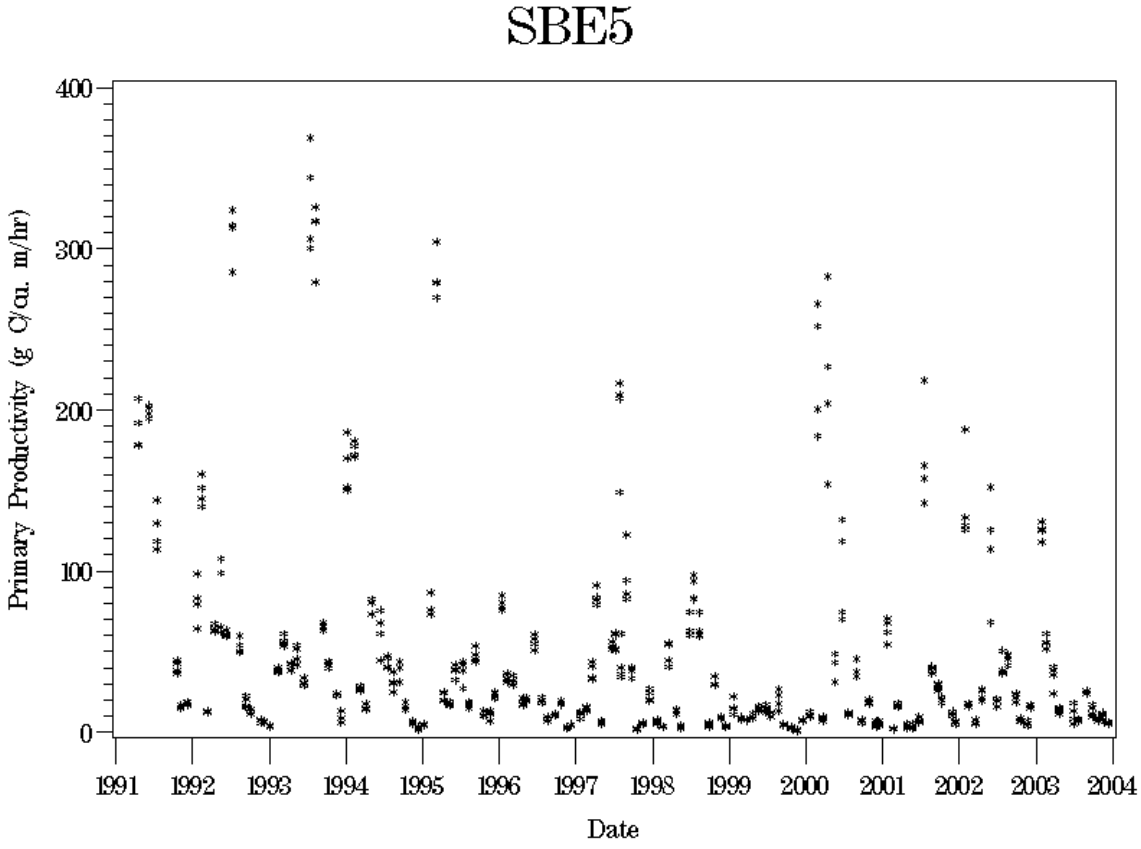

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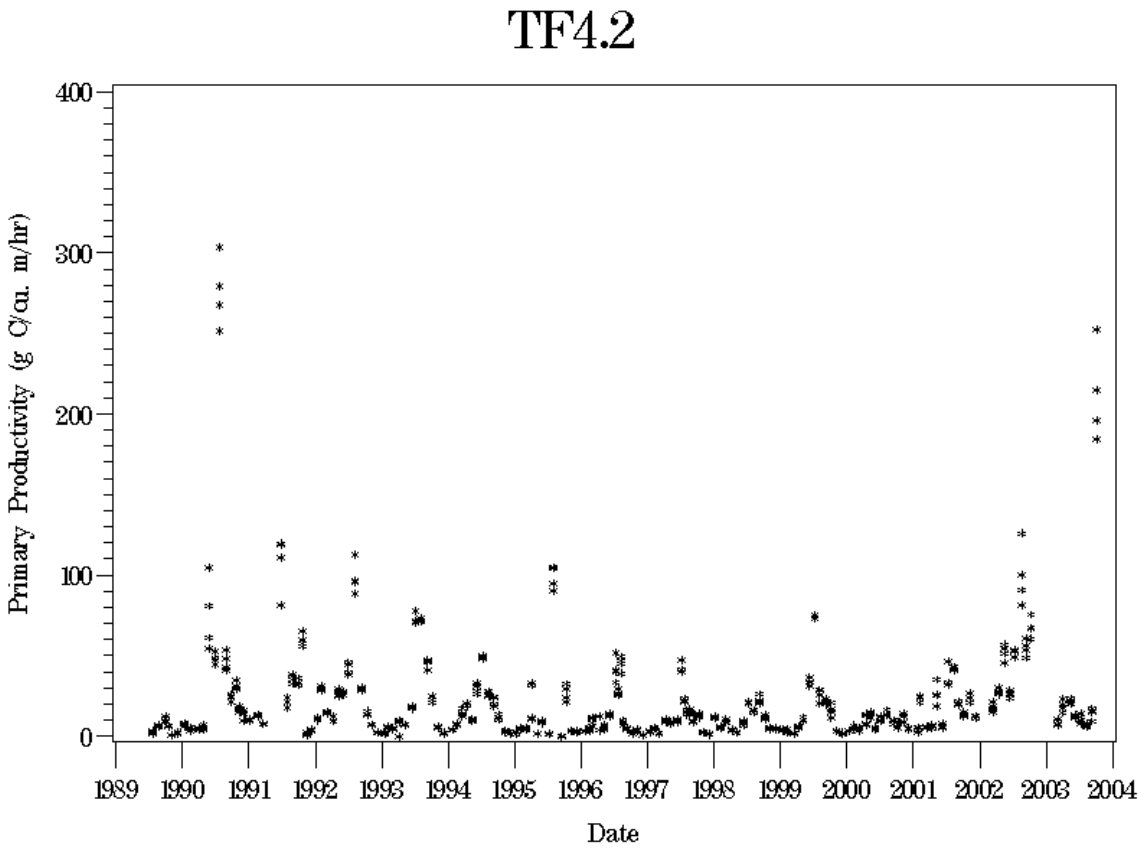

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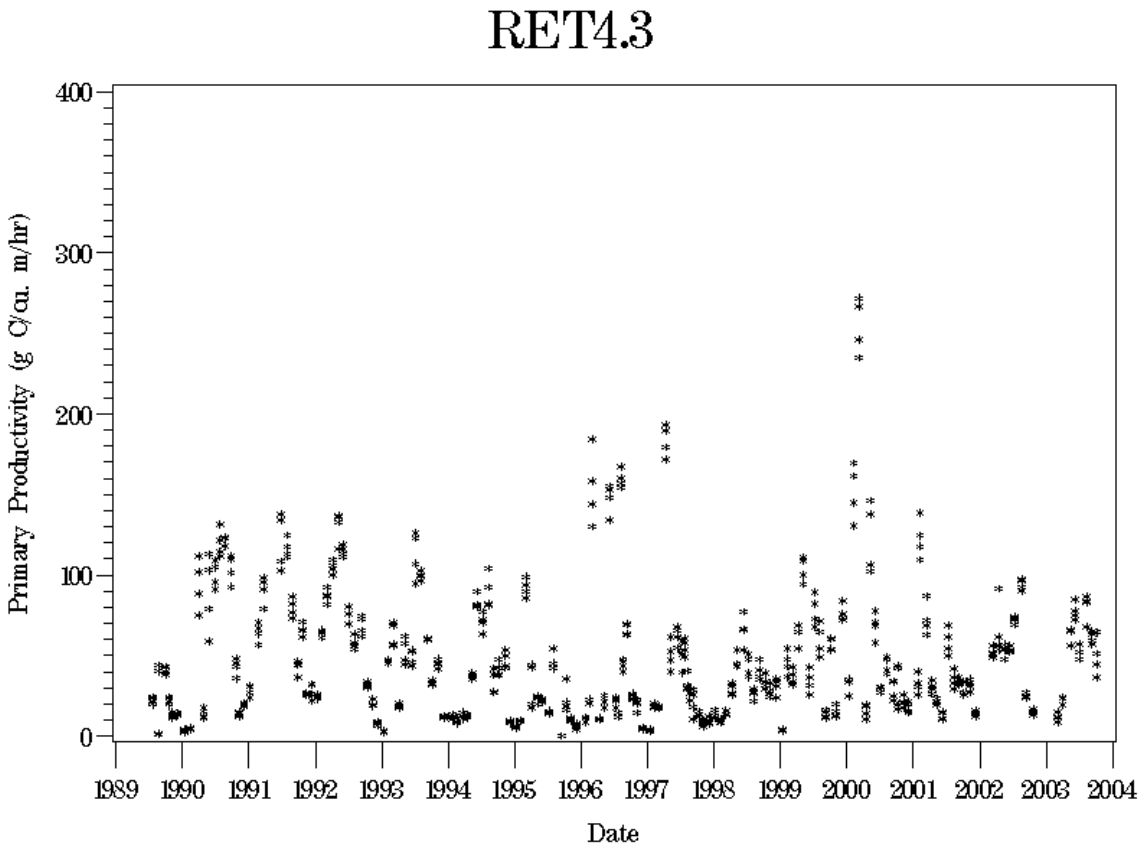

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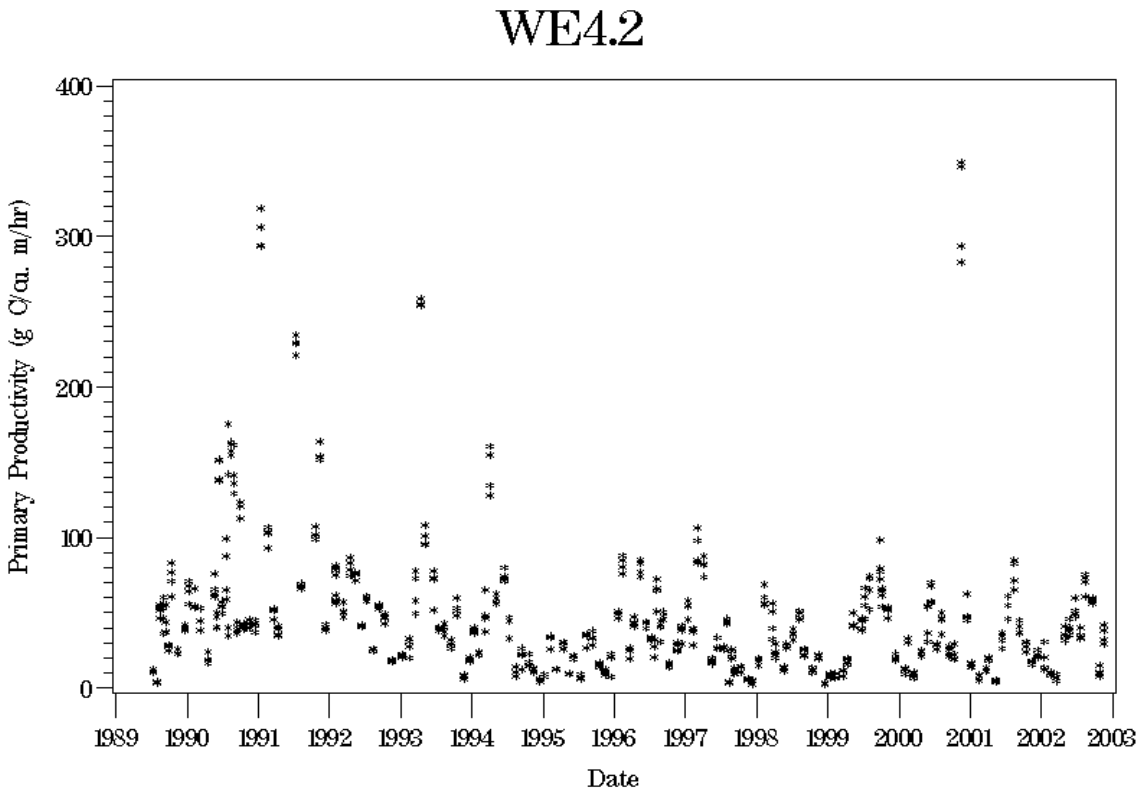

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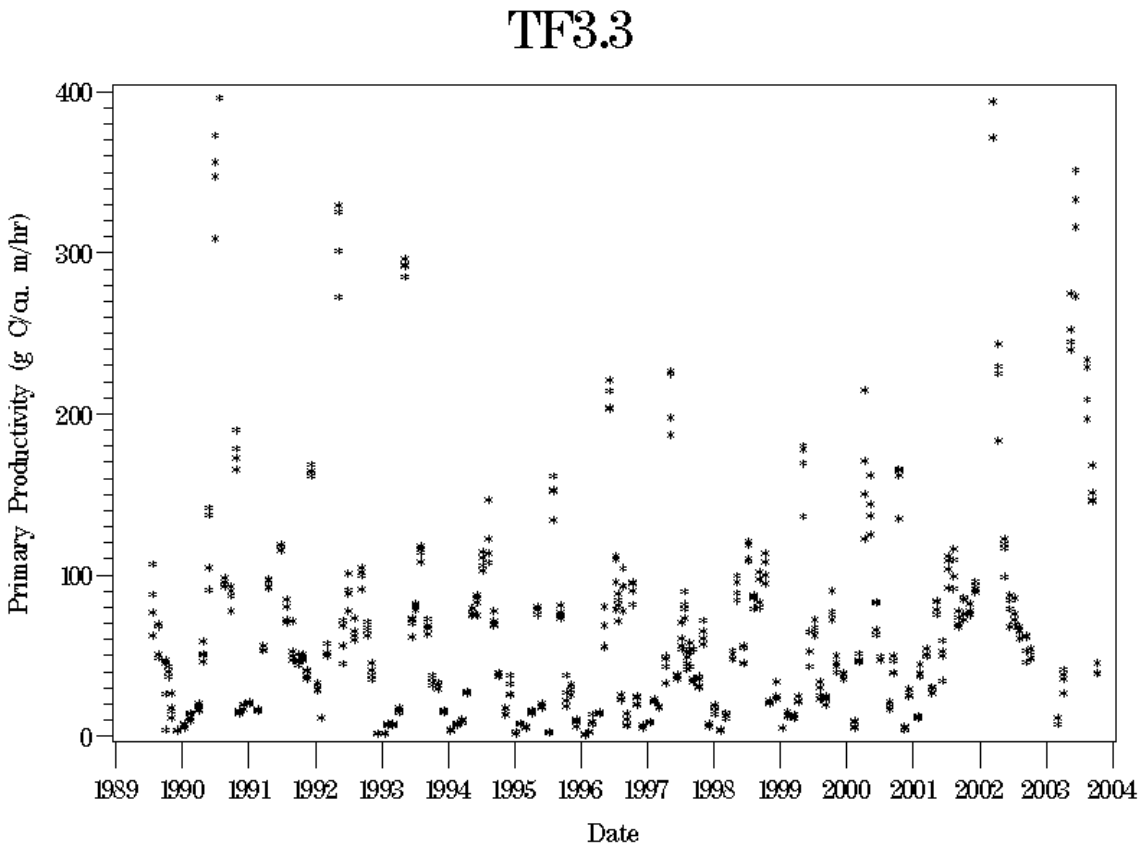

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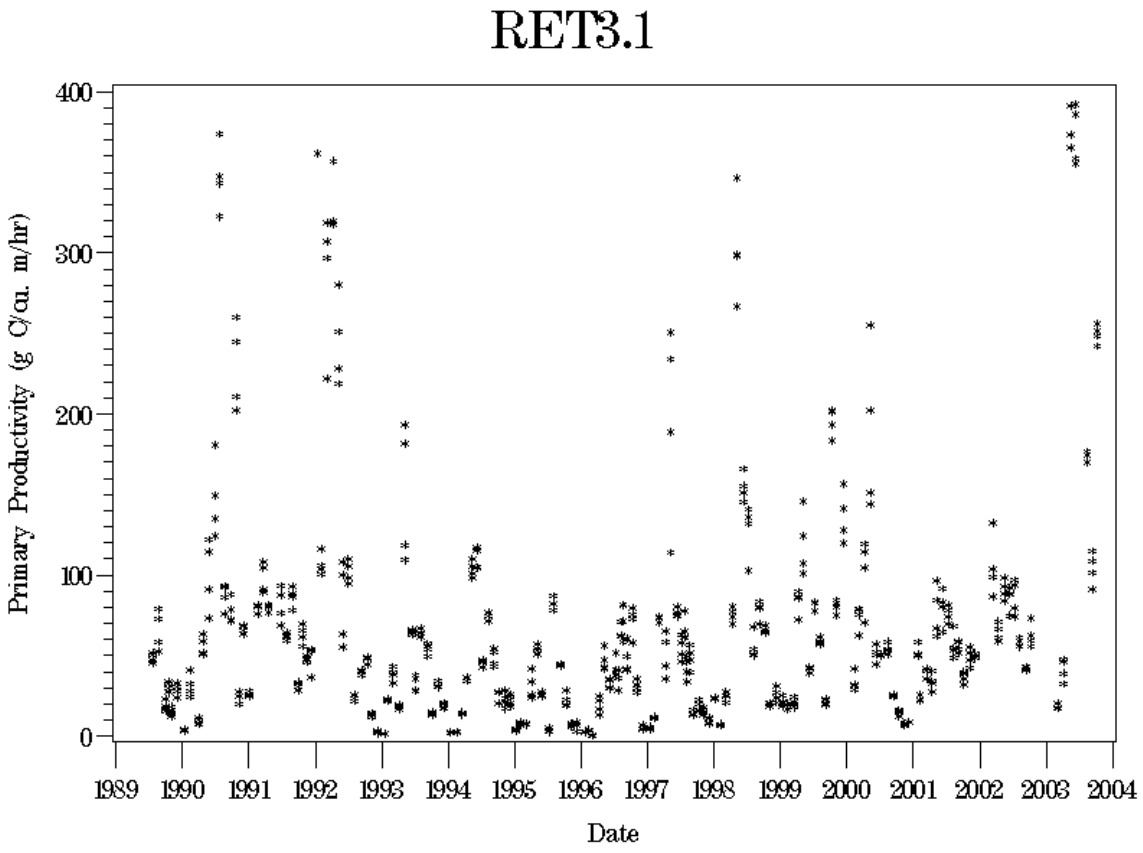

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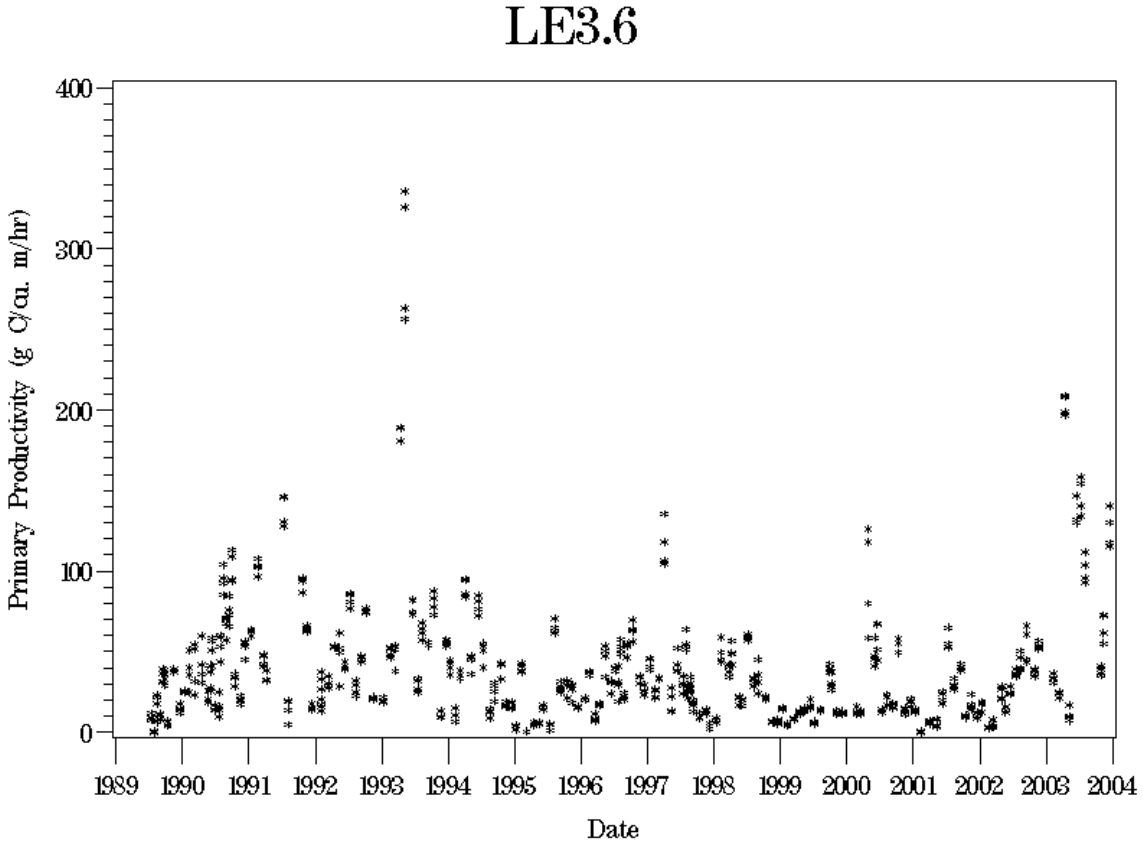

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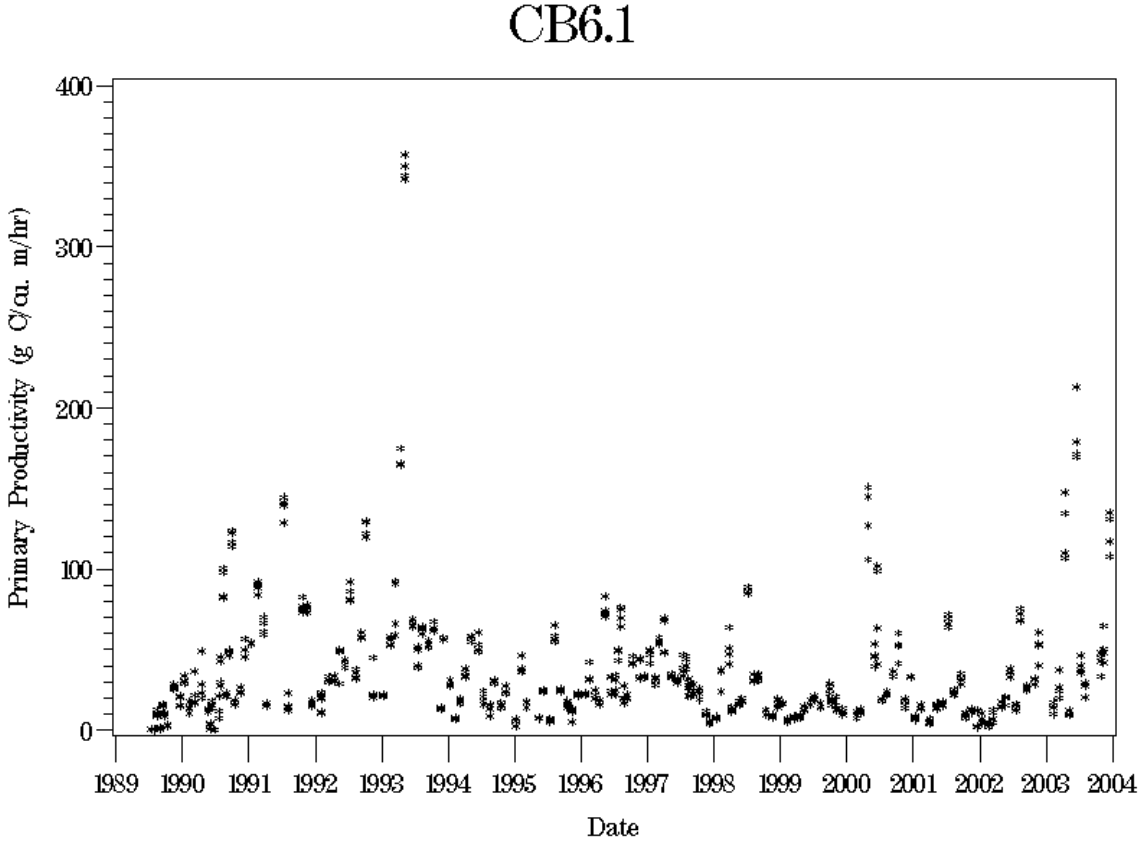

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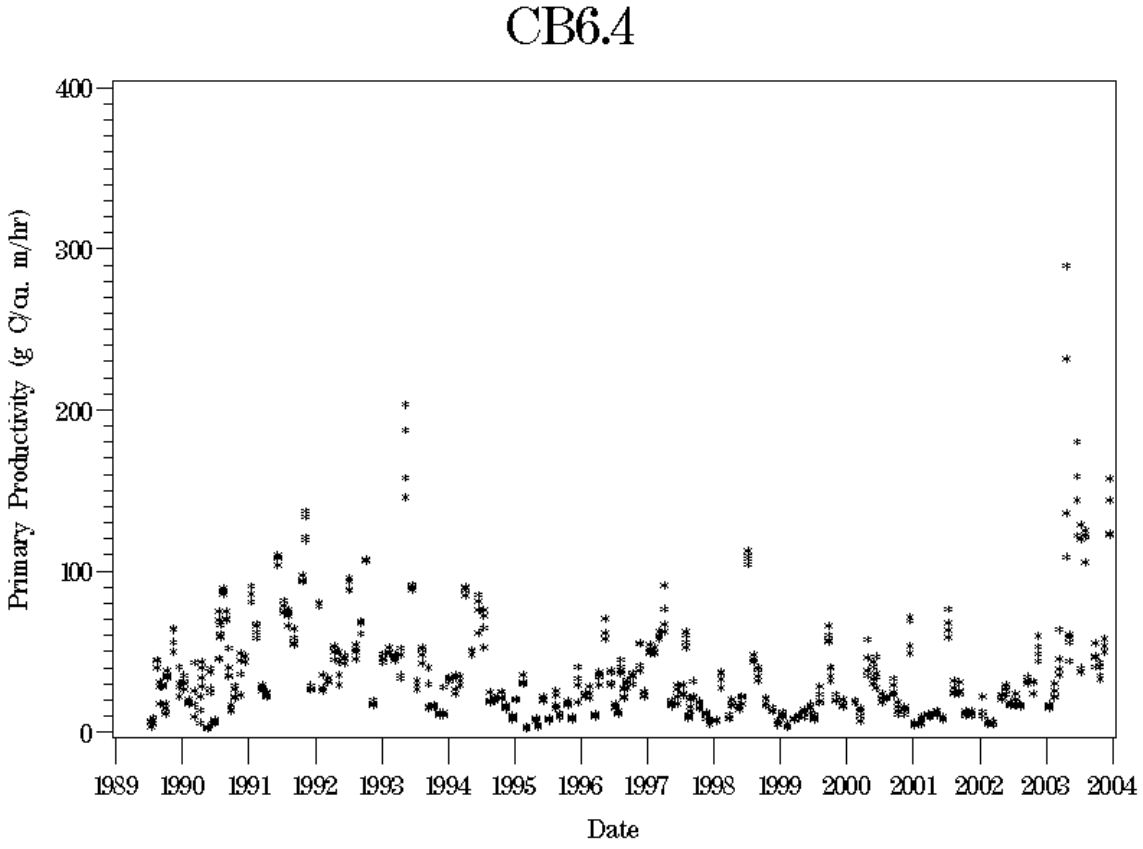

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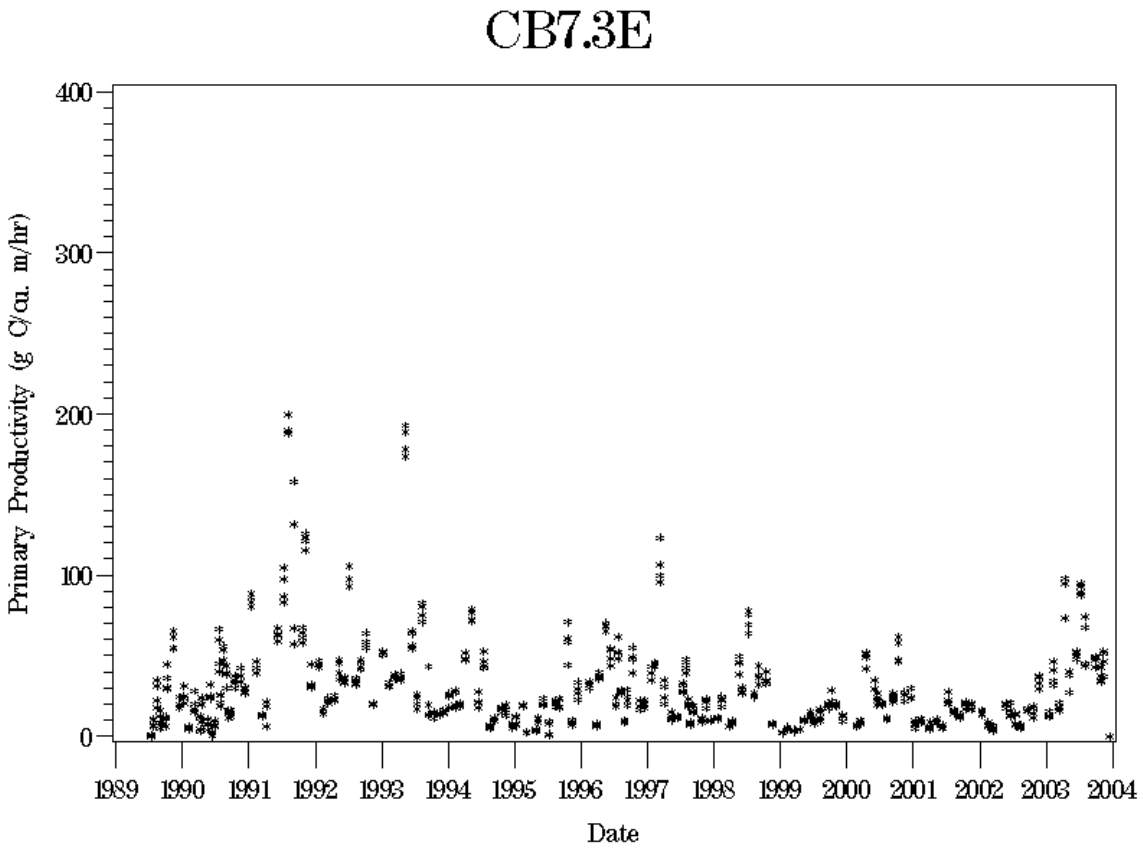

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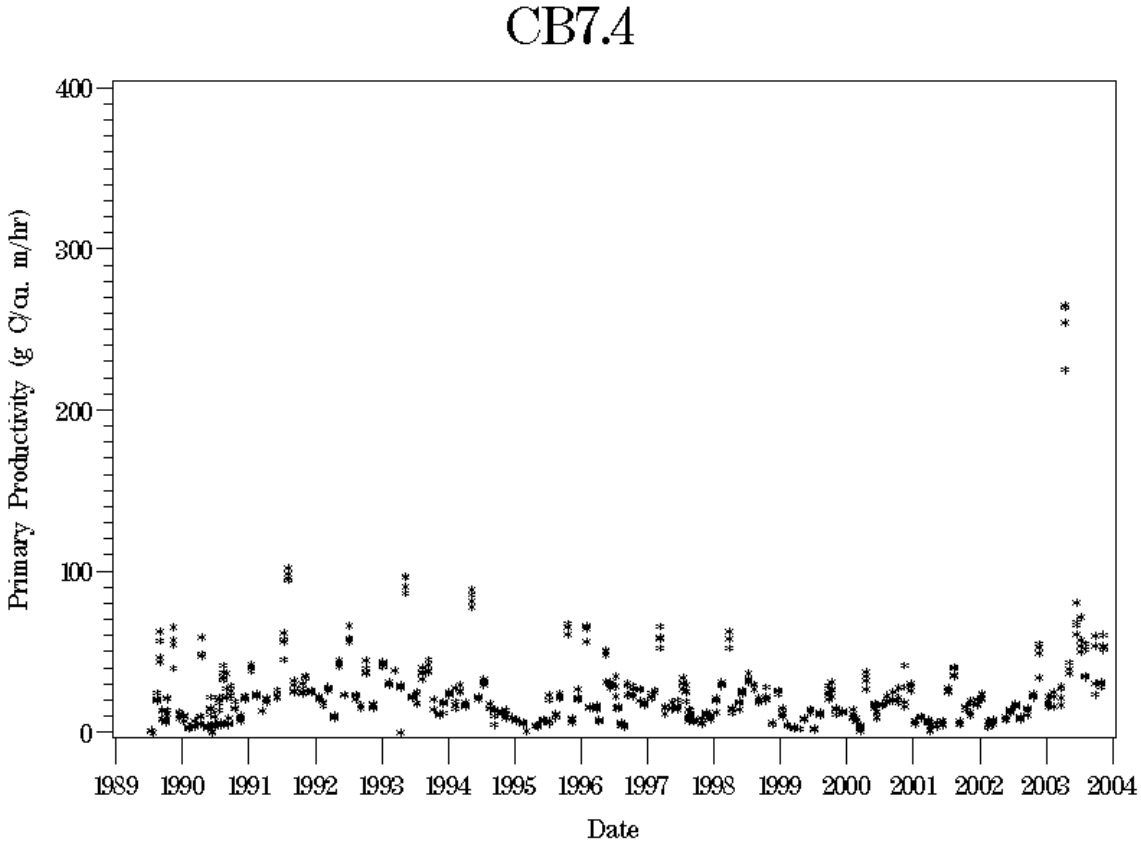

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