Appendix H. Long-term trends in C^{14} productivity at all stations and for all seasons, for the period of 1985 through 2006. 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	0.0078	1.94	32.33	34.91	107.99	0.3439	Degrading
RET5.2	Annual	0.0117	-1.92	125.14	-34.58	-27.64	0.0466	Improving
LE5.5	Annual	0.4671	0.44	62.05	7.50	12.08	0.4051	No Trend
SBE5	Annual	0.4187	-0.32	57.37	-5.19	-9.04	0.8966	No Trend
TF4.2	Annual	0.3229	0.14	10.29	2.55	24.78	0.1583	No Trend
RET4.3	Annual	0.0825	0.72	34.81	13.04	37.46	0.6939	No Trend
WE4.2	Annual	0.0430	1.17	50.54	21.05	41.64	0.3634	Degrading
TF3.3	Annual	0.0002	2.78	51.88	50.11	96.60	0.8290	Degrading
RET3.1	Annual	0.0001	2.82	65.84	50.73	77.05	0.4928	Degrading
LE3.6	Annual	0.0187	0.99	34.88	17.82	51.08	0.5827	Degrading
CB6.1	Annual	0.1907	0.53	23.89	9.55	39.96	0.9498	No Trend
CB6.4	Annual	0.0343	0.88	30.47	15.77	51.77	0.5915	Degrading
CB7.3E	Annual	0.0694	0.49	20.48	8.79	42.93	0.9048	No Trend
CB7.4	Annual	0.0004	0.85	15.95	15.29	95.87	0.9351	Degrading
TF5.5	Fall	0.0825	3.05	30.81	54.81	177.90	0.9277	No Trend
RET5.2	Fall	0.0028	-3.58	95.99	-64.46	-67.15	0.1207	Improving
LE5.5	Fall	0.1561	1.56	43.17	26.53	61.45	0.2601	No Trend
SBE5	Fall	0.6775	0.20	14.56	3.22	22.08	0.7388	No Trend
TF4.2	Fall	0.3776	0.25	9.94	4.57	45.98	0.6877	No Trend
RET4.3	Fall	0.4767	0.33	17.10	5.91	34.57	0.9962	No Trend
WE4.2	Fall	0.1923	1.48	41.40	26.66	64.41	0.1876	No Trend
TF3.3	Fall	0.0133	3.09	18.56	55.69	300.12	0.7474	Degrading
RET3.1	Fall	0.1175	2.20	30.03	39.62	131.94	0.3307	No Trend
LE3.6	Fall	0.1737	0.80	26.71	14.43	54.02	0.7715	No Trend
CB6.1	Fall	0.2531	0.96	21.30	17.24	80.95	0.8852	No Trend
CB6.4	Fall	0.3951	0.53	37.23	9.57	25.70	0.5855	No Trend
CB7.3E	Fall	0.3514	0.62	34.59	11.14	32.21	0.6043	No Trend
CB7.4	Fall	0.0014	1.36	16.45	24.52	149.07	0.9847	Degrading
TF5.5	SAV1	0.1982	2.46	186.78	44.31	23.72	0.5822	No Trend
RET5.2	SAV1	0.0088	-2.80	156.71	-50.34	-32.12	0.1636	Improving
LE5.5	SAV1	0.4429	0.65	71.80	11.06	15.40	0.8781	No Trend
SBE5	SAV1	0.1290	-1.21	74.16	-19.29	-26.01	0.9872	No Trend
TF4.2	SAV1	0.5933	0.11	27.86	2.02	7.24	0.0662	No Trend
RET4.3	SAV1	0.1574	1.03	66.03	18.63	28.21	0.3028	No Trend
WE4.2	SAV1	0.0785	1.26	52.94	22.60	42.70	0.3162	No Trend
TF3.3	SAV1	0.0021	4.65	94.74	83.68	88.33	0.7576	Degrading
RET3.1	SAV1	0.0001	4.93	80.30	88.65	110.40	0.5715	Degrading
LE3.6	SAV1	0.0116	1.54	33.63	27.80	82.68	0.6756	Degrading
CB6.1	SAV1	0.1620	0.73	14.36	13.21	91.96	0.9053	No Trend
CB6.4	SAV1	0.0337	1.22	24.89	21.96	88.22	0.6155	Degrading
CB7.3E	SAV1	0.1226	0.55	16.97	9.83	57.92	0.6775	No Trend
CB7.4	SAV1	0.0210	0.73	16.06	13.15	81.87	0.8173	Degrading

Appendix H. Continued.

Station	Season	p Value	Slope	Baseline	Absolute Change	% Change	Homogeneity test p Value	Direction
TF5.5	SAV2	0.0035	1.66	33.23	29.81	89.70	0.2874	Degrading
RET5.2	SAV2	0.0848	0.88	45.59	15.76	34.57	0.1156	No Trend
LE5.5	SAV2	0.1114	0.83	37.16	14.93	40.18	0.6669	No Trend
SBE5	SAV2	0.2732	0.54	35.95	9.76	27.16	0.6137	No Trend
TF4.2	SAV2	0.0006	0.88	27.70	15.76	56.90	0.8674	Degrading
RET4.3	SAV2	0.0105	1.41	35.95	25.30	70.38	0.6555	Degrading
WE4.2	SAV2	0.1604	0.65	37.87	11.72	30.96	0.7875	No Trend
TF3.3	SAV2	0.0061	1.50	37.90	27.00	71.26	0.7318	Degrading
RET3.1	SAV2	0.0231	1.23	37.90	22.19	58.55	0.6977	Degrading
LE3.6	SAV2	0.1015	0.74	34.01	13.40	39.40	0.7308	No Trend
CB6.1	SAV2	0.1415	0.64	30.24	11.45	37.87	0.7433	No Trend
CB6.4	SAV2	0.0086	1.35	24.44	24.26	99.29	0.9681	Degrading
CB7.3E	SAV2	0.0252	0.86	23.15	15.47	66.83	0.8695	Degrading
CB7.4	SAV2	0.0450	0.72	24.44	12.87	52.67	0.9216	Degrading
TF5.5	Spring1	0.0179	2.95	96.93	50.19	51.78	0.0708	Degrading
RET5.2	Spring1	0.6032	1.77	155.08	30.04	19.37	0.0272	No Trend
LE5.5	Spring1	0.7684	0.82	49.43	13.20	26.70	0.5121	No Trend
SBE5	Spring1	0.6010	-0.66	83.55	-10.63	-12.72	0.9814	No Trend
TF4.2	Spring1	0.0018	0.90	6.81	15.36	225.59	0.9080	Degrading
RET4.3	Spring1	0.0697	1.87	89.93	31.72	35.27	0.2878	No Trend
WE4.2	Spring1	0.9598	0.09	47.37	1.45	3.05	0.9585	No Trend
TF3.3	Spring1	0.0359	2.96	54.35	50.24	92.45	0.3716	Degrading
RET3.1	Spring1	0.1699	2.16	80.30	36.80	45.82	0.3502	No Trend
LE3.6	Spring1	0.6977	0.47	40.46	8.05	19.90	0.6179	No Trend
CB6.1	Spring1	0.8970	0.28	23.35	4.72	20.22	0.7525	No Trend
CB6.4	Spring1	0.0556	1.94	24.23	33.06	136.43	0.9380	No Trend
CB7.3E	Spring1	0.1866	0.97	16.87	16.43	97.38	0.6290	No Trend
CB7.4	Spring1	0.3380	0.54	13.53	9.12	67.38	0.8867	No Trend
TF5.5	Spring2	0.8799	-0.54	304.78	-9.22	-3.03	0.3108	No Trend
RET5.2	Spring2	0.5327	-1.34	161.52	-22.78	-14.10	0.0706	No Trend
LE5.5	Spring2	0.6880	0.69	49.43	11.09	22.44	0.5424	No Trend
SBE5	Spring2	0.4248	-1.28	83.55	-20.41	-24.43	0.9687	No Trend
TF4.2	Spring2	0.2318	0.47	61.91	7.97	12.88	0.0090	No Trend
RET4.3	Spring2	0.2527	1.47	94.59	25.03	26.46	0.0339	No Trend
WE4.2	Spring2	0.4355	0.93	46.64	15.74	33.75	0.6560	No Trend
TF3.3	Spring2	0.2083	2.98	117.01	50.68	43.31	0.6137	No Trend
RET3.1	Spring2	0.0728	3.57	81.65	60.72	74.37	0.3024	No Trend
LE3.6	Spring2	0.1895	1.86	33.60	31.55	93.90	0.3930	No Trend
CB6.1	Spring2	0.1407	1.26	12.21	21.50	176.09	0.5482	No Trend
CB6.4	Spring2	0.1738	1.52	23.34	25.79	110.51	0.8051	No Trend
CB7.3E	Spring2	0.1028	1.63	16.87	27.65	163.90	0.6603	No Trend
CB7.4	Spring2	0.4526	0.54	20.46	9.12	44.56	0.8896	No Trend

Appendix H. Continued.

Station	Season	p Value	Slope	Baseline	Absolute Change	% Change	Homogeneity test p Value	Direction
TF5.5	Summer1	0.3987	3.03	376.57	54.51	14.48	0.2834	No Trend
RET5.2	Summer1	0.0537	-2.78	168.76	-50.02	-29.64	0.7647	No Trend
LE5.5	Summer1	0.3548	0.89	83.03	15.05	18.13	0.9078	No Trend
SBE5	Summer1	0.1471	-1.65	126.56	-26.47	-20.91	0.8653	No Trend
TF4.2	Summer1	0.1687	-0.60	35.38	-10.74	-30.36	0.5466	No Trend
RET4.3	Summer1	0.9509	0.05	102.29	0.94	0.92	0.3800	No Trend
WE4.2	Summer1	0.0113	2.04	78.75	36.66	46.55	0.4133	Degrading
TF3.3	Summer1	0.0248	4.89	91.25	88.03	96.47	0.6858	Degrading
RET3.1	Summer1	0.0006	4.81	79.71	86.57	108.60	0.7323	Degrading
LE3.6	Summer1	0.0060	1.87	34.56	33.60	97.21	0.7488	Degrading
CB6.1	Summer1	0.2037	0.84	12.34	15.10	122.36	0.5798	No Trend
CB6.4	Summer1	0.0558	1.31	30.84	23.66	76.70	0.4211	No Trend
CB7.3E	Summer1	0.3246	0.47	16.66	8.45	50.70	0.4023	No Trend
CB7.4	Summer1	0.1089	0.66	13.97	11.93	85.39	0.6685	No Trend
TF5.5	Summer2	0.1175	5.64	228.22	101.47	44.46	0.6845	No Trend
RET5.2	Summer2	0.0593	-3.02	175.35	-54.34	-30.99	0.6251	No Trend
LE5.5	Summer2	0.2954	1.21	93.98	20.54	21.86	0.8711	No Trend
SBE5	Summer2	0.1895	-1.74	126.56	-27.79	-21.96	0.6960	No Trend
TF4.2	Summer2	0.5330	-0.19	17.39	-3.47	-19.99	0.7463	No Trend
RET4.3	Summer2	0.4190	0.84	72.71	15.14	20.82	0.8371	No Trend
WE4.2	Summer2	0.0247	2.03	64.61	36.48	56.46	0.2407	Degrading
TF3.3	Summer2	0.0275	5.00	85.46	89.94	105.24	0.5454	Degrading
RET3.1	Summer2	0.0019	4.66	71.81	83.84	116.75	0.5512	Degrading
LE3.6	Summer2	0.0213	1.67	34.88	30.05	86.15	0.5527	Degrading
CB6.1	Summer2	0.5806	0.28	18.63	5.07	27.21	0.7849	No Trend
CB6.4	Summer2	0.0466	1.40	30.84	25.28	81.98	0.3149	Degrading
CB7.3E	Summer2	0.5549	0.32	16.66	5.72	34.32	0.2702	No Trend
CB7.4	Summer2	0.1010	0.72	13.97	13.05	93.42	0.5289	No Trend
TF5.5	Winter	0.8462	0.05	7.58	0.56	7.32	0.4379	No Trend
RET5.2	Winter	0.6981	-0.17	14.78	-2.05	-13.88	0.3322	No Trend
LE5.5	Winter	0.0500	-3.86	77.78	-61.78	-79.42	0.5288	No Trend
SBE5	Winter	0.8337	0.57	59.96	8.54	14.24	0.1236	No Trend
TF4.2	Winter	0.4972	-0.08	8.83	-0.95	-10.74	0.7711	No Trend
RET4.3	Winter	0.1458	1.10	16.57	13.26	79.99	0.9227	No Trend
WE4.2	Winter	0.5288	-0.86	83.31	-14.65	-17.59	0.4010	No Trend
TF3.3	Winter	0.9590	0.05	14.40	0.59	4.12	0.7195	No Trend
RET3.1	Winter	0.7187	0.28	29.03	3.33	11.47	0.2249	No Trend
LE3.6	Winter	0.5544	-0.53	50.25	-9.02	-17.96	0.1448	No Trend
CB6.1	Winter	0.7543	-0.23	42.48	-3.92	-9.22	0.5227	No Trend
CB6.4	Winter	0.2438	-1.30	47.46	-22.16	-46.70	0.9110	No Trend
CB7.3E	Winter	0.7644	0.19	33.88	3.19	9.41	0.6263	No Trend
CB7.4	Winter	0.2029	0.87	16.34	14.75	90.27	0.8987	No Trend