

UNIVERSITY OF WISCONSIN
DEPARTMENT OF METEOROLOGY

ENERGY BUDGET DATA

Project Prairie Grass

O'Neill, Nebraska
July-August 1956

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The research reported in this document has been sponsored in part by the Geophysics Research Directorate of the Air Force Cambridge Research Center, Air Research and Development Command, under Contract No. AF 19(122)461 and in part by the Office of Meteorological Research, U. S. Weather Bureau, under Contract No. 8205.

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 5, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-	-	-	-	-	-
0135	-	-	-	-	-	-	-
0235	-	-	-	-	-	-	-
0335	-	-	-	-	-	-	-
0435	-	-	-	-	-	-	-
0535	-	-	-	-	-	-	-
0635	-	-	-	-	-	-	-
0735	-	-	-	-	-	-	-
0835	.914	.724	-	-	-	-.415	-.311
0935	.675	.510	-	-	-	-.365	-.223
1035	.922	.732	-	-	-	-.515	-.245
1135	.944	.786	-	-	-	-.500	-.230
1235	1.241	1.028	-	-	-	-.700	-.156
1335	1.144	.953	-	-	-	-.650	-.309
1435	1.173	.953	-	-	-	-.700	-.273
1535	1.093	.842	-	-	-	-.670	-.192
1635	.758	.450	-	-	-	-.475	-.184
1735	.361	.183	-	-	-	-.183	-.048
1835	.160	.013	-	-	-	-.100	.019
1935	.068	-.067	-	-	-	.501	-.243
2035	-	-.096	-	-	-	.720	-.020
2135	-	-.100	-	-	-	.615	.136
2235	-	-.091	-	-	-	.913	.299
2335	-	-.089	-	-	-	.617	.053

July 6, 1956

0035	-	-.096	-	-	-	.591	.360
0135	-	-.104	-	-	-	.425	.187
0235	-	-.091	-	-	-	.900	.275
0335	-	-.091	-	-	-	.880	.361
0435	-	-.080	-	-	-	.810	.303
0535	.101	-.044	-	-	-	.215	.140
0635	.361	.172	-	-	-	.060	-
0735	.616	.391	-	-	-	.300	-
0835	.758	.555	-	-	-	.610	-
0935	.831	.622	-	-	-	.510	-
1035	.899	.673	-	-	-	.480	-
1135	1.245	1.097	-	-	-	.690	-
1235	1.389	1.197	-	-	-	-.720	-
1335	1.350	1.156	-	-	-	-.700	-
1435	1.262	1.010	-	-	-	.596	-
1535	1.091	.870	-	-	-	-.670	-
1635	0.865	.637	-	-	-	-.320	-
1735	0.616	.384	-	-	-	-.121	.067
1835	0.333	.129	-	-	-	-.040	-.121
1935	0.053	-.053	-	-	-	.200	-.049
2035	-	-.124	-	-	-	.180	.034
2135	-	-.127	-	-	-	.180	-.010
2235	-	-.067	-	-	-	.170	.010
2335	-	-	-	-	-	-	-

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 7, 1956

TIME	I	R	C	E	L	ΔT	Δe
0835	.097	.067	-	-	-	.080	.002
0935	.076	.058	-	-	-	.080	-.016
1035	1.521	1.022	-	-	-	-.620	-.453
1135	1.129	.955	-	-	-	-.650	-.505
1235	1.260	1.126	-	-	-	-.800	-.648
1335	1.344	1.200	-	-	-	-.730	-.918
1435	1.234	.988	-	-	-	-.630	-.309
1535	1.127	.896	-	-	-	-.540	-.314
1635	.903	.664	-	-	-	-.430	-.274

July 8, 1956

1135	1.201	.937	-.040	-.303	-.594	-.570	-.181
1235	1.317	1.000	-.093	-.342	-.565	-.620	-.234
1335	.992	.629	-.249	-.020	-.360	-.530	-.018
1435	1.167	.682	-.055	-.202	-.425	-.640	-.189
1535	.812	.514	+.018	-.217	-.315	-.430	-.184
1635	.555	.291	+.009	-.143	-.157	-.320	-.182

July 9, 1956

0035	-	-	-	-	-	-	-
0135	-	-	-	-	-	-	-
0235	-	-	-	-	-	-	-
0335	-	-	-	-	-	-	-
0435	-	-	-	-	-	-	-
0535	-	-	-	-	-	-	-
0635	-	-	-	-	-	-	-
0735	-	-	-	-	-	-	-
0835	.855	.413	-.086	-.154	-.173	-.380	-.210
0935	1.097	.588	-.145	-.207	-.236	-.630	-.345
1035	1.277	.726	-.161	-.232	-.333	-.790	-.342
1135	1.317	.767	-.135	-.280	-.352	-.930	-.461
1235	1.422	.838	-.145	-.239	-.446	-.890	-.422
1335	1.293	.793	-.108	-.300	-.393	-.950	-.317
1435	1.139	.597	-.048	-.179	-.370	-.460	-.138
1535	.743	.396	+.015	-.062	-.349	-.310	-.034
1635	.690	.345	-.052	-.031	-.262	-.220	-.016
1735	.477	.088	+.030	+.006	-.124	-.230	.007
1835	.306	-.050	+.024	+.005	+.021	-.090	-.015
1935	.122	-.159	+.090	+.017	+.052	.310	.065
2035	-	-.083	+.081	+.0	+.002	.250	.019
2135	-	-.093	+.065	+.010	+.018	.080	.028
2235	-	-.139	+.051	+.004	+.084	.180	.005
2335	-	-.066	+.056	+.005	+.005	.140	.059

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 10, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.139	+.052	+.035	+.099	.198	.044
0135	-	-.069	+.055	+.003	+.011	.051	.088
0235	-	-.076	+.048	+.007	+.021	.088	.017
0335	-	-.072	+.047	+.019	+.006	.048	.086
0435	-	-.072	+.048	+.008	+.016	.058	.017
0535	.082	-.057	+.032	+.012	+.013	.051	.030
0635	.314	.064	+.031	-.026	-.007	-.008	-.020
0735	.582	.226	-.066	-.081	-.119	-.050	-.021
0835	.867	.419	-.080	-.147	-.192	-.033	-.016
0935	1.101	.600	-.163	-.153	-.284	-.115	-.038
1035	1.256	.689	-.169	-.160	-.360	-.066	-.018
1135	1.346	.782	-.177	-.159	-.446	-.397	-.088
1235	1.391	.828	-.141	-.076	-.611	-1.010	-.078
1335	1.380	.813	-.141	-.287	-.385	-1.000	-.468
1435	1.306	.748	-.106	-.240	-.402	-.970	-.360
1535	1.135	.618	-.064	-.220	-.334	-.837	-.343
1635	.888	.463	-.024	-.127	-.312	-.683	-.172
1735	.623	.270	+.023	-.120	-.173	-.387	-.166
1835	.342	.083	+.050	-.033	-.100	-.175	-.036
1935	.106	-.066	+.051	+.002	+.013	-.187	-.022
2035	-	-.089	+.059	+.003	+.027	.272	.019
2135	-	-.088	+.037	-.008	+.059	.260	-.022
2235	-	-.096	+.046	+.012	+.038	.147	.030
2335	-	-.093	+.036	+.018	+.039	.198	-.055

July 11, 1956

0035	-	-.089	+.037	+.002	+.050	.175	.003
0135	-	-.088	+.041	+.013	+.034	.203	.050
0235	-	-.082	+.033	+.011	+.038	.248	.043
0335	-	-.064	+.022	+.007	+.035	.175	.021
0435	-	-.072	+.018	+.012	+.042	.160	.028
0535	.057	-.064	+.017	+.007	+.040	.127	.008
0635	.255	.064	-.016	-.016	-.032	-.102	-.031
0735	.458	.203	-.022	-.045	-.136	-.212	-.044
0835	.589	.342	-.072	-.090	-.180	-.378	-.012
0935	.960	.523	-.112	-.156	-.255	-.582	-.222
1035	1.177	.702	-.158	-.199	-.345	-.770	-.227
1135	1.201	.742	-.136	-.258	-.348	-.962	-.433
1235	1.254	.775	-.153	-.217	-.405	-.617	-.206
1335	1.309	.811	-.139	-.279	-.393	-1.015	-.449
1435	1.142	.676	-.093	-.235	-.348	-.975	-.409
1535	.783	.460	-.033	-.137	-.290	-.625	-.184
1635	.774	.483	-.011	-.110	-.312	-.547	-.103
1735	.582	.205	+.019	-.108	-.116	-.285	-.165
1835	.278	-.019	+.063	-.023	-.021	-.162	-.112
1935	.087	-.037	+.070	-.012	-.021	-.112	-.042
2035	-	-.070	+.068	0	+.002	.495	.023
2135	-	-.076	+.054	+.011	+.011	.362	.230
2235	-	-.060	+.050	+.005	+.005	.655	.492
2335	-	-.062	+.043	+.004	+.015	.333	.060

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 12, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.068	+.057	+.007	+.004	.338	.315
0135	-	-.070	+.035	+.022	+.013	.353	.378
0235	-	-.071	+.034	+.022	+.015	.200	.177
0335	-	-.060	+.021	+.022	+.017	.045	.035
0435	-	-.053	+.025	+.023	+.005	.033	.086
0535	.065	.017	+.012	-.016	-.013	.162	.127
0635	.150	.044	-.017	-.025	-.002	-.026	-.206
0735	.152	.068	-.013	-.037	-.018	-.090	-.113
0835	.332	.174	-.122	-.014	-.038	-.330	-.073
0935	.747	.413	-.101	-.051	-.261	-.542	-.066
1035	1.198	.712	-.183	-.150	-.379	-.783	-.192
1135	1.319	.788	-.149	-.194	-.445	-.916	-.248
1235	1.350	.810	-.152	-.188	-.470	-1.015	-.253
1335	1.238	.760	-.116	-.244	-.400	-.970	-.369
1435	.488	.243	+.069	-.124	-.188	-.432	-.177
1535	.596	.295	-.056	-.055	-.184	-.367	-.068
1635	.481	.250	+.029	-.119	-.160	-.473	-.219
1735	.356	.151	+.023	-.075	-.099	-.253	-.119
1835	.248	.060	+.025	-.031	-.054	-.167	-.060
1935	.066	-.040	0	+.014	+.026	-.153	-.053
2035	-	-.052	+.093	-.016	-.025	.083	.033
2135	-	-.051	+.036	+.010	+.005	.060	.075
2235	-	-.091	+.028	+.040	+.023	.017	.019
2335	-	-.122	+.046	+.051	+.025	.070	.091

July 13, 1956

0035	-	-.078	+.036	+.030	+.012	.125	.185
0135	-	-.072	+.040	+.022	+.010	.162	.220
0235	-	-.079	+.058	+.013	+.008	.273	.300
0335	-	-.069	+.039	+.016	+.014	.828	.585
0435	-	-.071	+.046	+.013	+.012	.660	.442
0535	.086	-.052	+.021	+.018	+.013	.208	.182
0635	.318	.094	-.028	-.051	-.015	.098	.210
0735	.525	.254	-.042	-.070	-.142	-.108	-.033
0835	.862	.465	-.119	-.161	-.185	-.370	-.201
0935	1.039	.576	-.115	-.176	-.285	-.757	-.292
1035	1.071	.609	-.123	-.165	-.321	-.738	-.236
1135	1.314	.800	-.171	-.233	-.396	-1.013	-.372
1235	1.347	.823	-	-	-	-.773	-.302
1335	1.352	.803	-	-	-	-1.042	-.427
1435	1.254	.716	-	-	-	-1.025	-.270
1535	1.078	.587	-.044	-.195	-.348	-.932	-.326
1635	.841	.419	-.017	-.150	-.252	-.783	-.291
1735	.452	.157	+.066	-.068	-.155	-.487	-.132
1835	.240	.046	+.028	-.032	-.042	-.037	-.018
1935	.110	-.069	+.075	-.002	-.004	.065	.024
2035	-	-.078	+.081	-.001	-.002	.215	.089
2135	-	-.066	+.056	+.001	+.009	.897	.082
2235	-	-.060	+.044	+.007	+.009	.968	.449
2335	-	-.075	+.025	+.020	+.030	.130	.013

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 14, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.092	+.041	+.003	+.048	.157	.007
0135	-	-.084	+.036	+.008	+.040	.103	.012
0235	-	-.083	+.023	+.019	+.041	.027	-.008
0335	-	-.081	+.034	+.019	+.028	.017	-.007
0435	-	-.077	+.030	+.020	+.027	.009	-.004
0535	.076	-.051	+.012	+.006	+.033	.025	-.003
0635	.307	.091	-.017	-.027	-.047	-.037	-.013
0735	.591	.280	-.044	-.067	-.169	-.155	-.038
0835	.861	.485	-.066	-.162	-.257	-.483	-.189
0935	1.082	.656	-.122	-.200	-.334	-.575	-.214
1035	1.226	.785	-.143	-.224	-.418	-.090	-.030
1135	1.305	.861	-.143	-.270	-.448	-.852	-.319
1235	1.326	.874	-.138	-.298	-.438	-.848	-.359
1335	1.278	.830	-.140	-.315	-.429	-.773	-.404
1435	1.151	.711	-.077	-.230	-.404	-.827	-.292
1535	1.036	.609	-.052	-.218	-.339	-.712	-.284
1635	.811	.435	-.016	-.207	-.212	-.540	-.328
1735	.205	.040	+.067	-.023	-.084	-.070	.017
1835	.026	-.061	+.051	+.001	+.009	-.050	.005
1935	-	-.155	+.050	+.043	+.062	-.338	.145
2035	-	-.460	+.039	+.169	+.252	.110	.046
2135	-	-.046	+.055	-.004	-.005	.068	.038
2235	-	-.053	+.052	-.001	+.002	.043	-.010
2335	-	-.074	+.050	-.010	+.034	.043	-.008

July 15, 1956

0035	-	-.064	+.046	-.012	+.030	.048	-.012
0135	-	-.067	+.039	+.003	+.025	.072	.005
0235	-	-.079	+.035	+.013	+.031	.025	.007
0335	-	-.072	+.045	+.015	+.012	.098	.076
0435	-	-.054	+.045	+.006	+.003	.072	.073
0535	.064	-.010	+.004	+.004	+.002	.110	.111
0635	.115	.057	-.002	-.036	-.019	.047	.057
0735	.216	.122	-.016	-.038	-.068	-.025	.009
0835	.199	.111	-.009	-.050	-.052	-.140	-.085
0935	.340	.190	-.047	-.033	-.110	-.083	-.016
1035	.581	.348	-.097	-.108	-.143	-.172	-.081
1135	.476	.267	-.026	-.031	-.210	-.055	-.005
1235	.429	.234	-.008	-.061	-.165	-.192	-.044
1335	.837	.496	-.136	-.152	-.208	-.493	-.224
1435	1.241	.780	-.097	-.297	-.386	-.772	-.370
1535	1.034	.649	-.036	-.259	-.354	-.680	-.310
1635	.811	.492	-.006	-.216	-.270	-.523	-.261
1735	.559	.311	+.014	-.110	-.215	-.248	-.079
1835	.267	.127	+.038	-.073	-.092	-.160	-.080
1935	.076	-.048	+.047	0	+.001	-.103	-.027
2035	-	-.068	+.058	+.004	+.006	.365	.135
2135	-	-.075	+.059	+.002	+.014	.338	.033
2235	-	-.075	+.056	+.006	+.013	.382	.111
2335	-	-.068	+.051	+.009	+.008	.270	.169

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 16, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.067	+.046	+.013	+.008	.262	.241
0135	-	-.067	+.035	+.020	+.012	.193	.197
0235	-	-.072	+.029	+.026	+.017	.045	.041
0335	-	-.070	+.026	+.006	+.038	.128	.012
0435	-	-.077	+.025	+.002	+.050	.060	.001
0535	.084	-.060	+.027	+.028	+.005	.050	.169
0635	.306	.079	-.025	-.044	-.010	-.033	-.088
0735	.633	.272	-.064	-.101	-.107	-.043	-.025
0835	.878	.425	-.091	-.111	-.223	-.258	-.080
0935	1.125	.591	-.142	-.160	-.289	-.062	-.021
1035	1.262	.714	-.130	-.191	-.393	-.030	-.009
1135	1.321	.765	-.123	-.219	-.423	-.952	-.306
1235	1.372	.803	-.116	-.234	-.453	-.992	-.319
1335	1.342	.775	-.124	-.261	-.390	-1.007	-.419
1435	1.234	.696	-.084	-.232	-.380	-.905	-.345
1535	1.051	.569	-.048	-.183	-.338	-.863	-.292
1635	.823	.384	-.003	-.109	-.272	-.713	-.178
1735	.553	.226	+.038	-.106	-.158	-.523	-.217
1835	.306	.053	+.057	-.058	-.052	-.180	-.124
1935	.061	-.029	+.080	-.015	-.036	.303	.082
2035	-	0	+.071	-.026	-.045	.413	.149
2135	-	0	+.043	-.015	-.028	.157	.055
2235	-	-.003	+.042	-.029	-.010	.017	.031
2335	-	-.003	+.059	-.032	-.024	.050	.040

July 17, 1956

0035	-	-	+.057	-	-	.275	.111
0135	-	-	+.048	-	-	.225	.096
0235	-	-	+.049	-	-	.185	.161
0335	-	-	+.030	-	-	.170	.105
0435	-	-	+.033	-	-	.132	.050
0535	.068	.019	-.004	-.006	-.009	.020	.008
0635	.234	.051	-.031	-.013	-.007	.022	.026
0735	.321	.089	-.029	-.006	-.054	.038	.003
0835	.515	.165	-.045	-.020	-.100	-.070	-.009
0935	.639	.329	-.085	-.045	-.199	-.452	-.046
1035	.938	.526	-.130	-.078	-.318	-.505	-.067
1135	1.260	.860	-.201	-.209	-.374	-1.072	-.372
1235	1.367	.810	-.154	-.246	-.460	-1.103	-.367
1335	1.338	.705	-.127	-.239	-.444	-.672	-.295
1435	1.230	.657	-.094	-.189	-.374	-1.067	-.335
1535	1.023	.515	+.023	-.148	-.390	-.782	-.185
1635	.449	.188	+.045	-.108	-.125	-.467	-.252
1735	.578	.245	+.006	-.080	-.171	-.473	-.138
1835	.243	.045	+.061	+.046	-.152	-.117	.022
1935	.059	-.067	+.056	+.005	+.006	.075	.038
2035	-	-.085	+.031	+.005	+.049	.055	.003
2135	-	-.070	+.011	+.020	+.039	.140	.046
2235	-	-.060	+.006	+.037	+.029	.108	.087
2335	-	-.051	+.005	+.017	+.029	.040	.015

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 18, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.044	-	-	-	.183	.082
0135	-	-.056	-.021	+.011	+.024	.080	.022
0235	-	-.066	-.049	+.007	+.010	.015	.006
0335	-	-.058	-	-	-	.065	.043
0435	-	-.058	-	-	-	.070	.036
0535	.076	-.067	-	-	-	.043	-.014
0635	.201	.015	-	-	-	.075	.023
0735	.572	.139	-.107	-.006	-.026	-.142	-.019
0835	.698	.312	-.079	-.058	-.175	-.407	-.084
0935	.781	.320	-.091	-.088	-.141	-.560	-.219
1035	.888	.416	-.089	-.122	-.205	-.292	-.108
1135	1.287	.739	-.182	-.201	-.356	-.990	-.347
1235	1.405	.847	-.128	-.284	-.435	-1.133	-.461
1335	1.416	.755	-.121	-.318	-.316	-.787	-.491
1435	.701	.343	-	-.143	-.200	-.695	-.309
1535	.082	-.083	+.177	-.059	-.035	-.135	-.143
1635	.540	.031	-.018	-.009	-.004	-.250	-.416
1735	.595	.098	-.010	-.036	-.052	-.285	-.125
1835	.325	-.070	+.073	-.001	-.002	-.033	-.016
1935	.070	-.080	+.083	+.003	-.006	.053	-.016
2035	-	-.095	+.070	+.006	+.019	.195	.038
2135	-	-.107	+.063	+.019	+.025	.767	.362
2235	-	-.111	+.061	+.025	+.025	.740	.479
2335	-	-.114	+.061	-.011	+.064	.085	-.009

July 19, 1956

0035	-	-.056	+.048	+.006	+.002	.025	.048
0135	-	-.053	+.046	+.005	+.002	.015	.018
0235	-	-.053	+.051	0	+.002	.010	.002
0335	-	-.050	+.047	0	+.003	.008	-.0003
0435	-	-.047	+.049	-.001	-.001	.013	.004
0535	-	-	-	-	-	-	-
0635	-	-	-	-	-	-	-
0735	-	-	-	-	-	-	-
0835	.724	.280	-.030	-.115	-.135	-.202	-.107
0935	1.021	.552	-.109	-.170	-.273	-.565	-.219
1035	1.127	.602	-.076	-.237	-.289	-.340	-.173
1135	1.120	.642	-.078	-.235	-.329	-.670	-.298
1235	.895	.448	-.041	-.165	-.242	-.498	-.211
1335	.861	.369	-.012	-.162	-.195	-.395	-.204
1435	.612	.336	0	-.154	-.182	-.212	-.112
1535	.682	.367	-.031	-.125	-.211	-.317	-.117
1635	.770	.451	-.006	-.185	-.260	-.332	-.147
1735	.445	.191	+.027	-.078	-.140	-.352	-.115
1835	.338	.095	+.040	-.050	-.085	.033	.012
1935	.106	-.039	+.050	+.010	-.021	.145	-.042
2035	-	-.083	+.097	+.001	+.005	.297	.043
2135	-	-.089	+.072	+.003	+.014	.487	.063
2235	-	-.083	+.054	+.015	+.014	.490	.337
2335	-	-.083	+.059	+.009	+.015	.643	.243

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 20, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.076	+.050	+.015	+.011	.808	.666
0135	-	-.086	+.029	+.027	+.030	.322	.186
0235	-	-.082	+.046	+.017	+.019	.297	.167
0335	-	-.086	+.053	+.019	+.014	.267	.232
0435	-	-.082	+.044	+.022	+.016	.423	.364
0535	.059	-.086	+.026	+.033	+.027	.083	.064
0635	.255	-.006	-.011	+.014	+.003	.037	.090
0735	.492	.158	-.038	-.055	-.065	-.060	-.032
0835	.817	.350	-.121	-.089	-.140	-.388	-.152
0935	1.036	.521	-.123	-.168	-.230	-.743	-.338
1035	1.224	.651	-.134	-.216	-.301	-.767	-.342
1135	1.129	.619	-.117	-.210	-.292	-.887	-.397
1235	1.182	.692	-.065	-.230	-.397	-.602	-.216
1335	1.137	.675	-.069	-.220	-.386	-.662	-.235
1435	.859	.483	-.032	-.178	-.273	-.643	-.262
1535	1.013	.583	-.077	-.146	-.360	-.218	-.055
1635	.831	.485	-.014	-.144	-.327	-.365	-.100
1735	.593	.234	+.019	-.080	-.109	-.133	-.110
1835	.331	.054	+.059	+.007	-.033	.070	.107
1935	.051	-.069	+.075	0	-.006	.245	.002
2035	-	.026	+.054	-.007	-.035	.597	-.078
2135	-	0	+.035	-.018	-.028	.758	.121
2235	-	-.053	+.047	.002	-.082	1.088	.151
2335	-	-.064	+.060	.006	+.002	.592	.484

July 21, 1956

0035	-	-.062	+.050	+.006	+.006	.393	.229
0135	-	-.060	+.043	+.006	+.011	.365	.131
0235	-	-.062	+.051	+.007	+.004	.188	.179
0335	-	-.051	+.044	+.005	+.002	.250	.371
0435	-	-.058	+.047	+.006	+.005	.280	.243
0535	.039	-.043	+.023	+.009	+.011	.155	.084
0635	.111	-.021	+.002	-.017	+.036	.292	-.086
0735	.383	.132	-.058	-.029	-.045	-.115	-.046
0835	.783	.325	-.094	-.083	-.148	-.273	-.095
0935	1.080	.505	-.139	-.131	-.235	-.780	-.272
1035	1.216	.559	-.152	-.163	-.244	-.905	-.376
1135	1.150	.595	-.087	-.188	-.320	-1.038	-.378
1235	1.068	.533	-.080	-.183	-.270	-.738	-.311
1335	.987	.522	-.096	-.184	-.242	-.923	-.435
1435	.877	.467	-.097	-.132	-.238	-.787	-.270
1535	.736	.320	+.003	-.143	-.180	-.500	-.247
1635	.650	.230	-.022	-.038	-.170	-.592	-.082
1735	.571	.225	+.022	-.085	-.162	-.420	-.136
1835	.291	.042	+.037	-.034	-.045	-.172	-.080
1935	.071	-.053	+.086	-.080	-.059	.212	.181
2035	-	-.060	+.063	-.001	-.002	.597	.078
2135	-	-.044	+.053	-.005	-.004	.663	.590
2235	-	-.065	+.059	+.003	+.003	1.807	.868
2335	-	-.056	+.038	+.008	+.010	1.280	.678

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 22, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.045	+.051	-.003	-.003	.957	.477
0135	-	-.047	+.046	-.0	+.001	.803	.352
0235	-	-.039	+.044	-.003	-.002	1.478	1.748
0335	-	-.044	+.047	-.002	-.001	1.133	.718
0435	-	-.056	+.050	+.001	+.005	.498	.053
0535	.044	-.023	+.013	+.005	+.005	.298	.199
0635	.257	.007	-.038	+.006	+.025	.402	.057
0735	.521	.183	-.070	-.099	-.014	.067	.006
0835	.327	.166	-.023	-.068	-.075	-.017	-.010
0935	.374	.193	-.066	-.029	-.098	-.067	-.012
1035	.827	.482	-.145	-.044	-.293	-.658	-.061
1135	1.068	.591	-.156	-.099	-.336	-.970	-.177
1235	1.393	.786	-.151	-.255	-.380	-1.122	-.468
1335	1.300	.705	-.131	-.263	-.311	-1.407	-.741
1435	1.129	.594	-.077	-.227	-.290	-1.800	-.876
1535	.920	.543	-.046	-.187	-.310	-.692	-.262
1635	.802	.494	-.026	-.166	-.302	-.853	-.292
1735	.473	.229	-.034	-.095	-.168	-.355	-.125
1835	.274	.038	-.044	-.031	-.051	-.202	.076
1935	.068	-.075	-.074	.0	+.001	.345	.161
2035	-	-.070	-.043	+.011	+.016	.983	.449
2135	-	-.069	-.063	0	+.006	1.933	-.069
2235	-	-.075	-.033	+.022	+.020	.788	.538
2335	-	-.054	-.028	+.008	+.018	.575	.159

July 23, 1956

0035	-	-.069	+.031	-.025	+.063	.188	-.046
0135	-	-.070	+.043	+.011	+.016	.112	.047
0235	-	-.079	+.039	+.013	+.027	.277	.079
0335	-	-.086	+.049	+.016	+.021	.442	.200
0435	-	-.093	+.029	+.019	+.045	.302	.079
0535	.061	-.076	+.014	+.028	+.034	.165	.085
0635	.272	.064	-.022	-.023	-.019	.153	.118
0735	.559	.267	-.064	-.087	-.116	-.428	-.198
0835	.840	.466	-.102	-.101	-.263	-.723	-.172
0935	1.059	.637	-.141	-.169	-.327	-.897	-.289
1035	1.224	.766	-.180	-.200	-.386	-1.045	-.337
1135	1.310	.861	-.172	-.222	-.467	-1.152	-.341
1235	1.340	.879	-.150	-.237	-.492	-1.267	-.379
1335	1.317	.840	-.128	-.182	-.530	-1.183	-.253
1435	1.215	.749	-.106	-.205	-.438	-1.103	-.321
1535	1.049	.618	-.058	-.159	-.401	-.998	-.246
1635	.829	.447	-.032	-.146	-.269	-.770	-.259
1735	.549	.193	+.036	-.043	-.186	-.432	-.063
1835	.333	.050	+.035	-.029	-.056	-.168	-.053
1935	.099	-.042	+.054	-.003	-.009	.100	.023
2035	-	-.073	+.052	+.010	+.011	.167	-.090
2135	-	-.088	+.041	-.174	+.221	.223	-.109
2235	-	-.102	+.035	+.025	+.042	.230	.083
2335	-	-.101	+.035	+.064	+.002	.172	.104

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 24, 1956
-Msg.

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.108	+.020	+.043	+.045	.180	.107
0135	-	-.120	+.025	-.102	+.197	.037	-.012
0235	-	-.120	+.030	-.018	+.108	.035	.004
0335	-	-.110	+.037	+.039	+.034	.020	.014
0435	-	-.114	+.038	+.016	+.060	.009	.001
0535	.023	-.110	+.029	+.010	+.071	.005	.0004
0635	.118	-.015	+.005	0	+.010	.023	-.0003
0735	.361	.146	-.035	-.035	-.076	-.030	.009
0835	.578	.299	-	-	-	-.035	-.0006
0935	.755	.350	-	-	-	-.090	-
1035	1.110	.406	-.146	+.025	-.285	-.787	.043
1135	1.091	.508	-.130	-.081	-.297	-.892	-.152
1235	1.338	.807	-	-	-	-.955	-.342
1335	1.331	.847	-	-	-	-1.267	.089
1435	1.232	.755	-.078	-.113	-.564	-.855	-.107
1535	1.040	.603	-.028	-.073	-.502	-.788	-.070
1635	.791	.416	-.010	-.077	-.329	-.653	-.095
1735	.530	.200	+.036	-.129	-.107	-.417	-.311
1835	.243	-.004	+.076	-.053	-.019	-.080	-.138
1935	.036	-.171	+.092	+.017	+.062	.592	.102
2035	-	-.082	+.059	+.001	+.022	1.452	.040
2135	-	-.077	+.042	+.008	+.027	1.537	.266
2235	-	-.077	+.031	+.012	+.034	1.497	.236
2335	-	-.073	+.034	+.011	+.028	1.365	.342

July 25, 1956
-Msg.

0035	-	-.073	+.027	+.018	+.028	.865	.337
0135	-	-.073	+.035	+.021	+.017	.540	.406
0235	-	-.063	+.036	+.010	+.017	1.210	.452
0335	-	-.077	+.015	+.016	+.046	.690	.147
0435	-	-.083	+.020	+.017	+.046	.335	.075
0535	.027	-.073	-.002	-.014	+.089	.195	-.001
0635	.241	.003	-.046	+.015	+.028	.110	.037
0735	.456	.161	-.056	-.038	-.067	-.225	-.080
0835	.622	.312	-.071	-.072	-.169	-.390	-.103
0935	.655	.353	-.095	-.087	-.171	-.430	-.135
1035	.983	.604	-.144	-.136	-.324	-.765	-.199
1135	1.215	.767	-	-	-	-.767	-.291
1235	1.325	.864	-.072	-.243	-.549	-.890	-.245
1335	1.264	.828	-.051	-.279	-.498	-.792	-.275
1435	1.148	.753	-.072	-.252	-.429	-.765	-.279
1535	.958	.561	-.046	-.178	-.337	-.640	-.210
1635	.768	.415	-.009	-.162	-.244	-.490	-.202
1735	.393	.174	+.040	-.100	-.114	-.160	-.087
1835	.234	.039	+.025	-.028	-.036	-.065	-.032
1935	.032	-.093	+.046	+.009	+.038	-.065	-.010
2035	-	-.091	+.034	-.009	+.066	.145	-.012
2135	-	-.058	+.019	-.011	+.050	.142	-.020
2235	-	-.054	+.028	+.005	+.021	.107	.016
2335	-	-.093	+.027	+.002	+.064	.150	.003

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 26, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.072	+.050	+.004	+.018	.127	.018
0135	-	-.094	+.007	+.027	+.060	.160	.045
0235	-	-.081	+.019	+.022	+.040	.140	.048
0335	-	-.077	+.012	+.020	+.045	.160	.043
0435	-	-.081	+.037	+.003	+.041	.375	.018
0535	.048	-.055	+.017	-.007	+.045	.410	-.039
0635	.266	.066	-.039	-.014	-.013	-.095	-.061
0735	.313	.112	-.036	-.041	-.035	-.125	-.093
0835	.468	.247	-.085	-.065	-.097	-.315	-.131
0935	.964	.569	-.152	-.164	-.253	-.790	-.319
1035	1.063	.644	-.151	-.200	-.293	-.765	-.326
1135	1.254	.771	-.192	-.220	-.359	-.910	-.346
1235	1.286	.805	-.120	-.267	-.418	-.940	-.373
1335	1.263	.782	-.035	-.337	-.410	-.835	-.428
1435	1.163	.691	-.074	-.232	-.385	-.885	-.333
1535	.995	.561	-.057	-.190	-.314	-.810	-.304
1635	.772	.397	-.036	-.135	-.226	-.560	-.208
1735	.501	.186	-.016	-.086	-.116	-.350	-.162
1835	.094	-.081	-.080	0	+.001	-.210	-.060
1935	.032	-.090	-.034	+.021	+.035	-.190	-.073
2035	-	-.077	-.040	+.002	+.035	.433	.014
2135	-	-.075	-.031	+.005	+.039	.260	.022
2235	-	-.085	-.024	+.007	+.054	.140	.033
2335	-	-.080	-.037	+.013	+.030	.265	.071

July 27, 1956
-Msg.

0035	-	-.061	-	-	-	.250	.058
0135	-	-.058	-	-	-	.200	.057
0235	-	-.053	-	-	-	.095	.054
0335	-	-.053	-	-	-	.100	.030
0435	-	-.060	-	-	-	.065	.031
0535	.011	-.064	-	-	-	.050	.019
0635	.106	-.023	-	-	-	-.023	-.014
0735	.344	.120	-	-	-	-.140	-.055
0835	.677	.374	-.045	-.129	-.200	-.283	-.113
0935	.357	.168	-.002	-.061	-.105	-.130	-.047
1035	1.023	.675	-.154	-.183	-.338	-.510	-.172
1135	.840	.520	-.031	-.071	-.418	-.500	-.053
1235	1.049	.667	-.106	-.140	-.421	-.675	-.140
1335	.454	.250	+.034	-.095	-.189	-.285	-.090
1435	.468	.256	-.042	-.063	-.151	-.300	-.079
1535	.806	.518	-.063	-.119	-.336	-.541	-.119
1635	.534	.292	-.025	-.095	-.172	-.310	-.107
1735	.445	.212	+.007	-.065	-.154	-.240	-.063
1835	.167	.029	+.036	-.023	-.042	-.075	-.004
1935	.057	-.064	+.021	+.014	+.029	.075	.023
2035	-	-.093	+.066	+.008	+.019	.092	.024
2135	-	-.076	+.026	+.016	+.034	.068	.021
2235	-	-.044	+.015	+.013	+.016	.025	.013
2335	-	-.051	+.020	0	+.031	.067	.0005

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 28, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.060	+.024	+.002	+.034	.065	.003
0135	-	-.056	+.020	+.002	+.034	.079	.003
0235	-	-.063	+.021	+.004	+.038	.110	.007
0335	-	-.067	+.024	+.009	+.034	.110	.019
0435	-	-.060	+.017	+.011	+.032	.110	.022
0535	.034	-.043	+.010	+.014	+.019	.045	.022
0635	.144	-.002	-	-	-	.060	.014
0735	.295	.131	-	-	-	-.170	-.032
0835	.720	.377	-.077	-.061	-.239	-.413	-.066
0935	.449	.245	-.008	-.071	-.182	-.385	-.093
1035	.230	.093	-.001	-.025	-.069	-.166	-.037
1135	.703	.429	-.120	-.120	-.189	-.490	-.193
1235	.637	.526	-.022	-.168	-.336	-.490	-.152
1335	.475	.272	-.020	-.084	-.168	-.314	-.098
1435	.492	.285	-.033	-.052	-.200	-.150	-.024
1535	.576	.349	-.026	-.098	-.225	-.165	-.045
1635	.361	.175	-.012	-.048	-.115	-.050	-.013
1735	.177	.165	-.004	-.022	-.139	-.050	-.005
1835	.036	.057	-.027	-.010	-.074	-.035	-.003
1935	-	0	-.031	*	*	.015	-.010
2035	-	-.069	-.041	+.014	+.014	.025	.016
2135	-	-.073	-.026	+.024	+.023	.025	.016
2235	-	-.079	-.033	-.004	+.050	.040	-.002
2335	-	-.069	-.012	+.011	+.046	.020	.003

July 29, 1956

0035	-	-.047	+.021	+.009	+.017	.008	.003
0135	-	-.067	+.023	+.024	+.020	.016	.012
0235	-	-.051	+.015	+.005	+.031	.020	.002
0335	-	-.006	-.001	*	*	.010	-.006
0435	-	0	+.005	+.006	-.011	.025	-.008
0535	.011	0	+.002	+.001	-.003	.020	-.005
0635	.082	.039	-.019	+.005	-.025	.015	-.002
0735	.380	.146	-.057	+.046	-.135	-.075	.016
0835	.800	.410	-.096	-.097	-.217	-.091	-.025
0935	.606	.355	-.066	-	-	-	-
1035	1.030	.606	-.162	-.174	-.270	-.225	-.090
1135	1.150	.707	-.136	-.255	-.316	-.125	-.063
1235	1.152	.737	-	-	-	-	-.120
1335	1.085	.682	-	-	-	-.100	-.145
1435	.088	.586	-	-	-	-.200	-.084
1535	.690	.457	-.072	-.081	-.304	-.300	-.050
1635	.753	.437	-.010	-.119	-.308	-.610	-.146
1735	.449	.209	+.014	-.030	-.193	-.300	-.029
1835	.232	.060	+.021	-.010	-.071	-.105	-.009
1935	.034	-.077	+.060	+.010	+.007	.110	.109
2035	-	-.095	+.019	+.027	+.049	.105	.037
2135	-	-.085	+.030	+.016	+.039	.103	.027
2235	-	-.079	+.026	+.025	+.028	.085	.047
2335	-	-.075	+.021	+.017	+.037	.080	.023

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

July 30, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.072	-	-	-	.055	.036
0135	-	-.034	-	-	-	.023	.006
0235	-	-.048	+.011	+.014	+.023	.040	.015
0335	-	-.056	-	-	-	.044	.020
0435	-	-.019	-	-	-	.030	.0005
0535	.021	-.012	-	-	-	.022	.001
0635	.116	.020	-	-	-	.031	.007
0735	.329	.130	-.039	-.016	-.075	-.190	-.026
0835	.555	.275	-.056	-	-	-.336	-
0935	.992	.580	-.146	-	-	-.850	-
1035	.715	.423	-.083	-	-	-.685	-
1135	.736	.402	-.060	-	-	-.670	-
1235	.791	.457	-.078	-	-	-.690	-
1335	.821	.479	-	-	-	-.663	-
1435	1.085	.670	-.055	-.153	-.462	-.825	-.170
1535	.720	.435	-.014	-.120	-.301	-.700	-.173
1635	.580	.331	-.011	-.071	-.249	-.440	-.078
1735	.338	.203	+.053	+.022	-.278	-.250	.012
1835	.173	.060	+.031	-.034	-.057	-.085	-.031
1935	.011	-.038	+.038	0	0	-.025	-.005
2035	-	-.039	+.032	+.003	+.004	.017	.009
2135	-	-.099	+.043	+.020	+.036	.110	.038
2235	-	-.060	+.029	-.012	+.043	.160	-.028
2335	-	-.061	+.018	+.004	+.047	.115	-.006

July 31, 1956

0035	-	-.047	-	-	-	.085	.015
0135	-	-.039	-	-	-	.055	.004
0235	-	-.032	-	-	-	.045	-.015
0335	-	-.023	-	-	-	.115	-.054
0435	-	-.082	-	-	-	.065	-.022
0535	-	-.157	-	-	-	.080	-.013
0635	.038	-.006	-	-	-	-.030	-.038
0735	.057	.032	-	-	-	-.045	-.113
0835	.116	.076	-	-	-	-.070	-.109
0935	.072	.092	-.002	-.051	-.039	-.075	-.062
1035	.120	.121	-.018	-.017	-.086	-.145	-.018
1135	.285	.187	-.019	-.076	-.092	-.185	-.095
1235	.245	.161	-.008	-.069	-.084	-.210	-.078
1335	.200	.123	+.006	-.048	-.081	-.150	-.061
1435	.175	.102	-.011	-.036	-.055	-.170	-.077
1535	.129	.072	-.001	-.030	-.041	-.160	-.075
1635	.112	.050	-.009	-.025	-.034	-.090	-.105
1735	.114	.051	-.004	-.031	-.016	-.089	-.032
1835	.084	.034	+.004	-.014	-.024	-.025	-.002
1935	.034	-.009	-	-	-	-.015	.0004
2035	-	-.025	-	*	*	-.010	.006
2135	-	0	-	-	-	.030	-.010
2235	-	-.029	-	-	-	.025	-.0007
2335	-	0	-	-	-	.035	-.013

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 1, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.012	+.001	+.003	+.008	.018	.004
0135	-	-.022	+.007	+.008	+.007	.017	.014
0235	-	-.013	+.004	*	*	.042	-.027
0335	-	-	-	-	-	-	-
0435	-	-.012	+.001	+.006	+.005	.023	.022
0535	-	-.020	+.002	+.015	+.003	.015	.042
0635	.013	0	-.001	+.001	0	.035	.034
0735	.087	.079	-.014	-.030	-.035	-.040	-.022
0835	.129	.088	-.025	-.044	-.019	-.048	-.072
0935	.300	.166	-.036	-.094	-.036	-.068	-.110
1035	.441	.300	-.058	-.150	-.092	-.052	-.053
1135	.542	.472	-.060	-.216	-.196	-.350	-.240
1235	.806	.561	-.051	-.276	-.234	-.612	-.449
1335	.623	.377	-.035	-.192	-.150	-.497	-.394
1435	.511	.305	-.037	-.149	-.119	-.445	-.346
1535	.736	.444	-.082	-.218	-.144	-.463	-.433
1635	.395	.222	+.011	-.116	-.117	-.210	-.129
1735	.262	.128	+.016	-.066	-.078	-.203	-.106
1835	.120	.058	+.037	-.035	-.060	-.098	-.035
1935	.019	.037	+.031	-.006	+.012	-.068	.022
2035	-	.034	+.019	-.006	+.021	.071	-.013
2135	-	.058	+.011	*	*	.045	-.029
2235	-	.031	+.007	+.004	+.020	.023	.003
2335	-	.037	+.004	+.007	+.034	.023	.003

August 2, 1956

0035	-	-.127	+.011	+.020	+.096	.072	.010
0135	-	-.146	+.026	+.094	+.026	.142	.031
0235	-	-.120	+.018	+.076	+.026	.030	.055
0335	-	-.134	+.013	+.033	+.088	.070	.016
0435	-	-.168	+.025	+.042	+.101	.068	.018
0535	-	-.150	+.024	*	*	*	*
0635	.030	-.133	+.006	*	*	*	*
0735	.169	-.107	-.010	*	*	*	*
0835	.378	.251	-.027	-.168	-.056	-.053	-.099
0935	.688	.477	-.052	-.240	-.185	-.260	-.009
1035	.857	.584	-.072	-.348	-.164	-.273	-.361
1135	.846	.622	-.118	-.301	-.203	-.120	-.111
1235	.867	.602	-.051	-.353	-.198	-.068	-.076
1335	.933	.587	-.095	-.328	-.164	-.300	-.373
1435	.992	.684	-.064	-.400	-.220	-.555	-.628
1535	.770	.502	-.041	-.278	-.183	-.420	-.397
1635	.810	.499	-.033	-.274	-.192	-.460	-.408
1735	.517	.248	-.005	*	*	-.075	*
1835	.251	.064	+.022	*	*	*	*
1935	.030	-.051	+.151	+.013	-.113	.113	-.008
2035	-	-.054	+.014	-.047	+.087	.113	-.038
2135	-	-.229	+.018	-.431	+.642	.465	-.194
2235	-	-.031	+.037	*	*	.235	*
2335	-	-.028	+.008	+.005	+.015	.127	.030

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 3, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.092	+.018	+.003	+.071	.187	-.005
0135	-	-.095	+.011	-.101	+.182	.273	-.094
0235	-	-.031	+.013	-.143	+.225	.192	-.076
0335	-	-.117	+.014	*	*	.033	-.021
0435	-	-.051	+.015	*	*	.080	-.051
0535	.017	-.061	+.006	*	*	*	*
0635	.116	.054	+.002	*	*	.030	-.019
0735	.416	.263	-.033	*	*	*	*
0835	.703	.488	-.063	-.231	-.194	-.055	-.04 i
0935	.943	.672	-.082	-.338	-.252	-.078	-.065
1035	1.116	.800	-.109	-.348	-.343	-.573	-.361
1135	1.222	.867	-.117	-.423	-.327	-.655	-.526
1235	1.258	.885	-.129	-.365	-.361	-.415	-.261
1335	1.175	.786	-.074	-.401	-.311	-.673	-.539
1435	.958	.638	-.055	-.339	-.244	-.543	-.469
1535	.823	.533	-.002	-.287	-.244	-.538	-.395
1635	.673	.409	-.027	-.239	-.143	-.378	-.393
1735	.633	.286	+.011	-.213	-.084	-.033	-.052
1835	.285	.098	+.038	-.078	-.058	-.038	-.032
1935	.074	-.041	+.039	+.001	+.001	.055	.040
2035	-	-.057	+.037	+.001	+.021	.303	-.006
2135	-	-.053	+.022	+.020	+.011	.035	.039
2235	-	-.073	+.027	+.027	+.019	.028	.025
2335	-	-.034	+.013	*	*	*	*

August 4, 1956

0035	-	-.031	+.012	+.010	+.008	.167	.013
0135	-	-.023	+.009	+.015	-.001	.263	.346
0235	-	-.120	+.012	+.060	+.048	.233	.147
0335	-	-.091	+.026	+.040	+.025	.192	.191
0435	-	-.040	+.030	-.009	+.015	.223	.126
0535	-	-.030	+.013	*	*	.122	-.078
0635	.232	.181	+.011	*	*	.095	-.060
0735	.443	.320	.017	-.220	-.117	-.090	-.148
0835	.359	.260	+.010	-.180	-.009	-.120	-.149
0935	.350	.250	-.014	-.140	-.096	-.285	-.258
1035	1.137	.920	-.043	-.585	-.292	-.447	-.559
1135	1.129	.869	-.132	-.452	-.285	-.582	-.573
1235	1.144	.831	-.111	-.430	-.290	-.778	-.718
1335	1.293	.951	-.127	-.509	-.315	-.660	-.664
1435	.960	.667	-.054	-.363	-.250	-.570	-.516
1535	1.032	.714	-.050	-.386	-.278	-.612	-.529
1635	.802	.495	-.066	-.252	-.177	-.515	-.454
1735	.536	.270	+.014	-.183	-.101	-.332	-.373
1835	.329	.099	+.044	-.069	-.074	-.098	-.057
1935	.046	.074	+.064	*	*	*	*
2035	-	-.086	+.038	+.026	+.022	.512	.369
2135	-	-.088	+.046	+.030	+.012	.192	.303
2235	-	-.095	+.049	+.040	+.006	.193	.080
2335	-	-.088	+.042	+.025	+.021	.198	.147

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 5, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.086	+.031	-.072	+.127	.220	-.077
0135	-	-.058	+.028	-.032	+.062	.193	-.062
0235	-	-.061	+.013	-.061	+.109	.152	-.053
0335	-	-.070	+.042	-.008	+.036	.380	-.054
0435	-	-.083	+.050	+.005	+.028	1.030	.121
0535	.019	-.081	+.024	+.017	+.040	.863	.237
0635	.018	-.050	-.005	+.028	+.017	.120	.121
0735	-	-	-	-	-	-	-
0835	-	-	-	-	-	-	-
0935	-	-	-	-	-	-	-
1035	1.101	.729	-.139	-.311	-.279	-.667	-.462
1135	1.220	.826	-.144	-.379	-.303	-.683	-.530
1235	1.268	-	-.125	-.404	-.302	-.767	-.640
1335	1.258	.815	-.112	-.400	-.303	-.792	-.649
1435	1.167	.727	-	-	-	-.733	-.671
1535	.992	.581	-	-	-	-.625	-.667
1635	.779	.406	+.011	-.261	-.156	-.492	-.512
1735	.538	.222	+.011	-.174	-.059	-.215	-.391
1835	.236	.061	+.049	-.073	-.037	-.105	-.127
1935	.021	-.054	+.063	+.004	-.013	.355	-.073
2035	-	.044	+.035	-.003	+.012	.697	-.103
2135	-	.047	+.031	-.002	+.018	.600	-.050
2235	-	.058	+.032	-.006	+.032	.375	-.043
2335	-	.053	+.031	+.006	+.016	.570	.138

August 6, 1956

0035	-	-.060	.034	+.010	+.016	.570	.232
0135	-	-.060	.035	+.009	+.016	.958	.348
0235	-	-.060	.036	+.011	+.013	.750	.421
0335	-	-.060	.034	+.012	+.014	.575	.309
0435	-	-.067	.011	+.026	+.030	.225	.118
0535	.072	-.016	.001	0	+.015	.107	-.002
0635	.034	.010	-.002	-.008	0	.060	.007
0735	.046	.030	.034	*	*	.077	*
0835	.641	.430	.056	-.340	-.146	-.160	-.231
0935	.861	.799	-.044	-.424	-.331	-.285	-.250
1035	.722	.523	-.038	-.216	-.161	-.273	-.228
1135	.964	.660	-.080	-.350	-.230	-.338	-.320
1235	1.217	.892	-.088	-.418	-.386	-.633	-.426
1335	1.346	1.007	-.091	-.470	-.446	-.590	-.387
1435	1.220	.851	-.084	-.406	-.361	-.505	-.353
1535	.933	.615	-.030	-.317	-.268	-.393	-.290
1635	.817	.488	-.019	-.299	-.170	-.337	-.370
1735	.517	.231	.027	-.170	-.088	-.190	-.230
1835	.260	.026	.042	-.035	-.033	-.108	-.071
1935	.038	-.093	.042	*	*	.248	-.158
2035	-	-.086	.046	-.072	+.112	.478	-.084
2135	-	-.086	.042	*	*	.408	-.260
2235	-	-.092	.021	+.037	+.034	.085	.059
2335	-	-.072	.019	*	*	.080	.051

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 7, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.120	+.018	*	*	.068	-.043
0135	-	-.158	+.034	*	*	.072	-.045
0235	-	-.066	+.032	*	*	.065	-.041
0335	-	-.072	+.027	*	*	.023	-.015
0435	-	-.091	+.035	+.014	+.042	.113	.024
0535	.015	-.091	+.036	+.018	+.037	.080	.024
0635	.139	-.061	+.012	+.021	+.028	.080	.038
0735	.422	.067	-.025	-.029	-.013	-.128	-.175
0835	.696	.399	-.043	-.221	-.135	-.253	-.258
0935	.715	.493	-.054	-.213	-.226	-.305	-.179
1035	1.021	.758	-.112	-.307	-.339	-.508	-.286
1135	.895	.629	-.060	-.271	-.298	-.418	-.236
1235	1.137	.873	-.116	-.359	-.398	-.767	-.432
1335	1.055	.799	-.063	-.346	-.390	-.502	-.277
1435	1.163	.890	-.082	-.348	-.460	-.687	-.323
1535	1.021	.810	-.024	-.360	-.426	-.598	-.314
1635	.918	.650	-.027	-.270	-.351	-.543	-.262
1735	.528	.410	+.009	-.182	-.237	-.357	-.171
1835	.219	.120	+.050	-.067	-.103	-.135	-.055
1935	.053	0	+.042	+.001	-.043	.152	-.003
2035	-	0	+.025	*	*	.190	-.121
2135	-	0	+.018	0	-.018	.305	-.006
2235	-	0	+.021	*	*	.192	-.122
2335	-	-.015	+.017	*	*	.130	-.083

August 8, 1956

0035	-	0	+.028	*	*	.140	*
0135	-	0	+.028	*	*	*	*
0235	-	0	+.047	*	*	.065	*
0335	-	0	+.047	-.005	-.042	.178	.011
0435	-	0	+.041	-.003	-.038	.192	.010
0535	.023	0	+.025	+.005	-.030	.110	.012
0635	.030	0	+.133	*	*	*	*
0735	.065	0	+.014	*	*	.070	*
0835	.466	0	-.047	*	*	*	*
0935	.928	.682	-.126	*	*	.613	-.390
1035	1.070	.800	-.086	-.373	-.341	-.825	-.562
1135	1.109	.908	-.101	-.464	-.343	-.863	-.725
1235	1.285	1.079	-.152	-.541	-.386	-.988	-.862
1335	1.251	.967	-.114	-.480	-.373	-.975	-.781
1435	1.154	.835	-.109	-.428	-.298	-.938	-.639
1535	.996	.673	+.040	-.423	-.290	-.638	-.579
1635	.471	.218	+.035	-.248	-.105	-.330	-.287
1735	.713	.388	+.030	-.225	-.193	-.638	-.462
1835	.266	.022	+.051	-.049	-.024	-.128	-.161
1935	.021	.098	+.052	*	*	.170	-.108
2035	-	.085	+.060	+.008	+.017	.425	.130
2135	-	.072	+.060	+.004	+.008	1.067	.366
2235	-	.075	+.050	+.010	+.015	.633	.285
2335	-	.063	+.034	+.012	+.017	.480	.224

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 9, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.046	+.025	-.001	+.023	.313	-.008
0135	-	-.082	+.041	+.010	+.031	.233	.047
0235	-	-.083	+.048	+.012	+.023	.430	.133
0335	-	-.079	+.035	+.024	+.020	.343	.253
0435	-	-.089	+.031	+.030	+.028	.210	.137
0535	.032	-.075	+.036	+.016	+.023	.215	.093
0635	.201	.031	-.010	(.011)	(.010)	*	*
0735	.354	.174	-.035	-.110	-.029	-.173	.414
0835	.639	.399	-.076	-.170	-.153	-.575	.397
0935	.867	.597	-.095	-.233	-.249	-.933	.543
1035	1.104	.785	-.130	-.374	-.397	-.925	.766
1135	1.222	.963	-.138	-.428	-.397	-1.050	-.704
1235	1.120	.894	-.110	-.422	-.393	-1.042	-.696
1335	1.274	1.005	-.135	-.462	-.408	-1.167	-.822
1435	1.245	.790	-.139	-.345	-.306	-1.033	-.725
1535	.859	.495	-.017	-.318	-.160	-.853	-.810
1635	.257	.107	+.067	-.128	-.046	-.278	-.475
1735	.019	-.126	+.075	*	*	*	*
1835	-	-.106	+.043	*	*	*	*
1935	-	-.051	+.122	*	*	.145	*
2035	-	-.124	+.045	*	*	.155	*
2135	-	-.053	+.047	*	*	.053	*
2235	-	-.083	+.047	*	*	*	*
2335	-	-.056	+.032	*	*	*	*

August 10, 1956

0035	-	-.165	+.035	*	*	.125	-.080
0135	-	-.099	+.048	-.039	+.090	.208	-.056
0235	-	-.080	+.056	+.021	+.003	.598	.045
0335	-	-.061	+.045	*	*	*	*
0435	-	-.054	+.034	+.001	+.019	.243	.011
0535	.017	-.037	+.019	*	*	.217	-.138
0635	.034	-.022	+.013	*	*	.125	-.080
0735	.070	.009	+.004	-.010	-.003	.050	.093
0835	.170	.082	-.019	-.047	-.016	.080	-.142
0935	.331	.193	-.003	-.111	-.085	-.213	-.172
1035	.509	.345	-.075	-.143	-.127	-.330	-.231
1135	.960	.619	-.134	-.174	-.311	-.788	-.273
1235	.760	.457	-.070	-.148	-.239	-.605	-.234
1335	.958	.612	-.087	-.156	-.369	-.758	-.199
1435	1.163	.740	-	-	-	-.838	-.285
1535	.987	.593	-	-	-	-.758	-.230
1635	.779	.407	-	-	-	-.650	-.295
1735	.418	.155	-	-	-	-.385	-.164
1835	.021	.056	+.051	+.034	-.141	-.237	-.035
1935	-	-.054	+.032	+.003	+.019	.108	-.009
2035	-	-.038	+.051	*	*	.217	-.138
2135	-	-.039	+.037	*	*	.208	-.132
2235	-	-.091	+.041	*	*	.170	-.108
2335	-	-.075	+.042	+.001	+.032	.198	.002

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 11, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.076	+.035	+.019	+.022	.130	.072
0135	-	-.042	+.022	-.006	+.026	.175	-.026
0235	-	-.056	+.030	-.034	+.060	.153	-.054
0335	-	-.063	+.039	+.009	+.015	.165	.068
0435	-	-.086	+.040	+.012	+.034	.148	.031
0535	.021	-.079	+.040	+.015	+.024	.240	.097
0635	.099	.018	-.004	-.045	-.029	.110	.108
0735	.129	.096	-.013	-.067	-.016	.095	.256
0835	.321	.233	-.068	*	*	*	*
0935	.736	.505	-.101	-.176	-.228	-.483	.233
1035	1.019	.759	-	-	-	-.678	.507
1135	1.182	.816	-	-	-	-	-
1235	1.070	.667	-	-	-	-.845	-.335
1335	1.066	.666	-	-	-	-	-
1435	.990	.581	-.282	-.172	-.127	-.605	-.508
1535	.971	.586	-	-	-	-.825	-.282
1635	.694	.407	-	-	-	-.728	-.263
1735	.355	.140	-	-	-	-.363	-.107
1835	.175	.025	+.040	*	*	-.150	*
1935	.034	-.058	+.063	-.001	-.004	.623	.065
2035	-	-.054	+.026	+.006	+.022	1.245	.225
2135	-	-.055	+.028	+.009	+.018	.515	.167
2235	-	-.063	+.033	+.012	+.018	.300	.124
2335	-	-.067	+.054	-.002	+.015	.268	-.022

August 12, 1956
() Interpolated.

0035	-	-.070	+.054	0	+.016	.258	-.003
0135	-	-.073	+.031	+.014	+.028	.135	.040
0235	-	-.058	+.032	*	*	*	*
0335	-	-.047	+.013	*	*	*	*
0435	-	-.063	+.018	*	*	*	*
0535	.017	-.075	+.020	*	*	*	*
0635	.089	-.007	-.020	*	*	*	*
0735	.186	.079	-.019	*	*	*	*
0835	.279	.016	-.125	*	*	*	*
0935	.603	.337	-.053	-.085	-.199	-.325	-.118
1035	.878	.555	-.092	-.165	-.298	-.660	-.176
1135	.627	.372	-.044	-.134	-.194	-.388	-.134
1235	.874	.564	-.133	-.177	-.254	-.633	-.273
1335	1.135	.761	-.114	(-.240)	(-.400)	*	*
1435	1.329	.698	-.117	(-.280)	(-.400)	*	*
1535	.947	.574	-.053	-.159	-.362	-.913	-.250
1635	.734	.364	-.010	-.123	-.231	-.638	-.212
1735	.483	.152	+.030	-.053	-.129	-.400	-.101
1835	.203	.009	+.051	-.007	-.053	-.110	-.009
1935	.021	-.093	+.056	+.018	+.019	.130	.074
2035	-	-.093	+.048	+.013	+.032	.238	.061
2135	-	-.066	+.037	+.010	+.019	.185	.061
2235	-	-.054	+.035	+.005	+.014	.337	.084
2335	-	-.053	+.048	*	*	*	*

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 13, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.056	+.040	+.006	+.010	.480	.202
0135	-	-.056	+.034	+.008	+.014	.498	.193
0235	-	-.061	+.039	+.007	+.015	.552	.173
0335	-	-.057	+.030	*	*	*	*
0435	-	-.072	+.038	*	*	*	*
0535	.019	-.057	+.017	*	*	*	*
0635	.063	-.016	+.002	0	+.014	.100	.001
0735	.393	.183	-.047	-.046	-.090	-.148	-.047
0835	.675	.385	-.073	-.139	-.173	-.527	-.263
0935	.905	.574	-.127	-.159	-.288	-.707	-.242
1035	1.082	.715	-.144	-.221	-.350	-.760	-.299
1135	1.203	.796	-.141	-.250	-.405	-.800	-.307
1235	1.253	.810	-.124	*	*	*	*
1335	1.230	.784	-.101	*	*	*	*
1435	1.141	.685	-.062	-.232	-.391	-.888	-.327
1535	.975	.523	-.039	-.147	-.337	-.780	-.211
1635	.774	.330	-.021	-.141	-.168	-.623	-.325
1735	.525	.073	+.047	*	*	-.338	-.215
1835	.251	-.073	+.053	*	*	.158	*
1935	.038	-.080	+.055	*	*	*	*
2035	-	-.061	+.068	-.005	-.002	1.342	1.777
2135	-	-.057	+.059	-.001	-.001	.668	.902
2235	-	-.004	+.041	-.030	-.007	.210	.534
2335	-	0	+.030	-.019	-.011	.307	.311

August 14, 1956

0035	-	-.013	+.040	-.019	-.008	.303	.434
0135	-	0	+.032	-.020	-.012	.381	.403
0235	-	0	+.021	-.013	-.008	.210	.231
0335	-	-.018	+.022	-.003	-.001	.217	.278
0435	-	0	+.014	-.010	-.004	.182	.249
0535	-	-.015	+.035	-.015	-.005	.155	.257
0635	.091	0	0	0	0	.075	.172
0735	.361	.230	-.035	-.144	-.051	.175	.306
0835	.622	.420	-	-	-	-.392	-.901
0935	.865	.600	-.109	-.390	-.101	-.630	-1.518
1035	1.047	.730	-.134	-.447	-.149	-.967	-.181
1135	1.169	.934	-	-	-	-.992	-.450
1235	1.217	.986	-	-	-	-1.063	-.403
1335	1.207	.932	-	-	-	.925	-.456
1435	1.135	.822	-	-	-	.768	-.369
1535	.979	.606	-	-	-	.740	-.221
1635	.755	.434	-	-	-	-	-
1735	.515	.307	-	-	-	-	-
1835	.249	.004	-	-	-	.078	-
1935	.047	-.083	-	-	-	.753	.088
2035	-	-.083	-	-	-	.453	.009
2135	-	-.079	-	-	-	-	-
2235	-	-.066	-	-	-	-	-
2335	-	-.050	-	-	-	-	-

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 15, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.053	-	-	-	.383	.072
0135	-	-.082	-	-	-	.300	.222
0235	-	-.082	-	-	-	.295	1.310
0335	-	-.070	-	-	-	.150	1.113
0435	-	-.066	-	-	-	.591	-.298
0535	.015	-.044	-	-	-	.306	.421
0635	.141	.009	-.024	*	*	.005	-.003
0735	.380	.178	-.059	*	*	0	*
0835	.635	.402	-.078	*	*	*	*
0935	.874	.746	-.097	*	*	*	*
1035	1.056	.743	-.068	*	*	*	*
1135	1.101	.915	-.123	*	*	*	*
1235	1.116	.940	-	-	-	-.385	-.022
1335	1.203	1.010	-	-	-	-	-
1435	1.049	.840	-	-	-	1.160	-
1535	.836	.500	-	-	-	-	-
1635	.494	.323	-	-	-	-	-
1735	.319	.187	+.010	*	*	*	*
1835	.051	-.031	+.045	*	*	*	*
1935	-	-.032	+.033	0	-.001	.150	-.004
2035	-	-.660	+.121	-	-	.300	-
2135	-	-.806	+.048	-	-	-	-
2235	-	-.571	+.045	*	*	*	*
2335	-	-.590	+.042	*	*	*	*

August 16, 1956

0035	-	-	+.042	-	-	.130	-
0135	-	-.180	+.039	-	-	.125	-
0235	-	-.120	+.043	+.047	+.030	.138	.137
0335	-	-.108	+.069	+.018	+.021	.150	.082
0435	-	-.126	+.070	+.019	+.037	.150	.049
0535	.015	-.122	+.052	+.070	0	.100	.062
0635	.152	-.136	-	-	-	.090	.203
0735	.399	-.053	-.027	+.069	+.011	-.100	-.428
0835	.660	-.029	-.065	-	-	-	-
0935	.878	-.022	-.109	-	-	-.115	-
1035	1.047	-	-.125	-	-	-.450	-
1135	1.144	-	-.110	-	-	-.400	-
1235	.842	-	-	-	-	-.175	-
1335	.673	-	-	-	-	-	-
1435	.772	-	-	-	-	-	-
1535	.532	-	-	-	-	-2.817	-
1635	.293	-	-	-	-	-.115	-
1735	.097	-	-	-	-	-.100	-
1835	.084	-	-	-	-	-.040	-.412
1935	-	-	-	-	-	-.150	-.009
2035	-	-	-	-	-	.175	.045
2135	-	-	-	-	-	.165	.229
2235	-	-	-	-	-	.210	.155
2335	-	-	-	-	-	.550	.855

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 17, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-	-	-	-	.400	.556
0135	-	-	-	-	-	.125	.147
0235	-	-	-	-	-	.325	.432
0335	-	-	-	-	-	.090	.006
0435	-	-	-	-	-	.070	.016
0535	.017	-	-	-	-	.055	-.035
0635	.097	-	-	-	-	.040	-.0003
0735	.101	-	-	-	-	-.097	-.130
0835	.369	-	-	-	-	-.175	-.347
0935	.648	-	-	-	-	-.250	-.398
1035	.608	-	-	-	-	-.265	-.256
1135	.443	-	-	-	-	-.250	-.108
1235	.551	-	-	-	-	-.200	-.004
1335	.787	-	-.068	-	-	-	-
1435	.452	.181	+.001	-	-	.300	-
1535	.259	.086	-.009	-	-	.170	-
1635	.270	.073	-.007	-.041	-.025	.275	-.284
1735	.215	.066	-.005	-.043	-.018	.185	-.268
1835	.036	.012	+.036	-.013	-.011	.115	-.080
1935	-	.009	+.034	+.006	-.031	.175	-.022
2035	-	.096	+.044	+.010	+.042	.045	-.067
2135	-	.064	+.057	0	+.007	.070	-.0004
2235	-	.061	+.046	+.001	+.014	.060	-.003
2335	-	.056	+.039	*	*	*	*

August 18, 1956

0035	-	-.064	+.041	+.006	+.017	.040	.010
0135	-	-.061	+.029	-.010	+.042	.025	-.004
0235	-	-.036	+.022	+.008	+.006	.033	.031
0335	-	-.018	+.025	-.004	-.003	.033	.031
0435	-	-.015	+.027	*	*	.008	*
0535	-	-.010	+.029	-.005	-.014	.010	.002
0635	.025	-.019	+.036	-.011	-.006	.025	.026
0735	.065	.051	+.042	.050	.043	.030	.022
0835	.270	.190	+.012	-.161	-.041	-.050	-.124
0935	.357	.279	-.002	-.167	-.110	-.075	-.071
1035	.728	.549	-.048	-.313	-.188	-.150	-.156
1135	1.101	.675	-.050	-.366	-.259	-.225	-.198
1235	.810	.467	+.001	-.232	-.236	-.200	-.123
1335	.464	.245	+.025	-.179	-.091	-.225	-.277
1435	.844	.467	-.053	-.220	-.194	-.450	-.317
1535	.800	.396	+.001	-.208	-.189	-.375	-.256
1635	.599	.253	+.015	-.134	-.134	-.310	-.191
1735	.420	.136	+.045	-.108	-.073	-.165	-.153
1835	.224	-.023	+.059	-.023	-.013	.045	-.048
1935	-	-.089	+.068	-.002	+.023	.125	-.006
2035	-	-.086	+.065	+.007	+.014	.310	.100
2135	-	-.077	+.054	+.009	+.014	.340	.130
2235	-	-.077	+.059	+.005	+.013	.335	.081
2335	-	-.063	+.062	0	+.001	.442	.126

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 19, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.053	+.048	+.002	+.003	.300	.096
0135	-	-.063	+.050	+.005	+.008	.200	.088
0235	-	-.063	+.081	-.011	-.007	.375	.359
0335	-	-.057	+.048	+.005	+.004	.755	.592
0435	-	-.053	+.047	+.005	+.001	.315	.661
0535	.015	-.029	+.033	-.002	-.002	.290	.200
0635	.144	.035	+.007	-.031	-.011	.055	.098
0735	.403	.208	-.021	-.124	-.063	-.185	-.228
0835	.688	.365	-.065	-.162	-.138	-.425	-.309
0935	.895	.471	-.090	-.240	-.141	-.585	-.619
1035	1.118	.602	-.105	-.320	-.177	-.740	-.832
1135	.981	.479	-.064	-.229	-.186	-.675	-.517
1235	.599	.273	-.037	-.120	-.116	-.480	-.309
1335	.606	.279	-.033	-.137	-.109	-.435	-.338
1435	.675	.378	-.028	-.199	-.151	-.460	-.378
1535	.618	.280	-.035	-.131	-.114	-.475	-.340
1635	.580	.256	+.002	-.131	-.127	-.415	-.265
1735	.506	.141	+.028	-.095	-.074	-.275	-.222
1835	.154	-.059	+.072	-.007	-.006	-.185	-.139
1935	-	-.079	+.070	+.002	+.007	.640	-.110
2035	-	-.069	+.066	0	+.001	.815	.132
2135	-	-.038	+.035	0	+.003	.900	-.027
2235	-	-.048	+.050	0	-.002	.785	.029
2335	-	-.042	+.028	+.002	+.012	.265	.029

August 20, 1956

0035	-	-.034	+.032	0	+.002	.385	.068
0135	-	-.022	+.028	-.001	-.005	.225	.040
0235	-	-.034	+.044	-.001	-.009	.460	.035
0335	-	-.022	+.023	0	-.001	.415	-.052
0435	-	-.025	+.048	-.010	-.013	.440	.210
0535	-	-.015	+.026	-.003	-.008	.260	.054
0635	.055	.007	+.010	-.010	-.007	.045	.045
0735	.122	.058	-.002	-.036	-.020	-.045	-.051
0835	.291	.124	-.020	-.065	-.039	-.125	-.128
0935	.648	.313	-.098	-.082	-.133	-.465	-.177
1035	1.076	.593	-.122	-.196	-.275	-.875	-.388
1135	1.135	.537	-.111	-.175	-.251	-.935	-.406
1235	1.065	.470	-.101	-.139	-.230	-.735	-.708
1335	1.004	.410	-.077	-.117	-.216	-.865	-.291
1435	1.150	.558	-.084	-.191	-.283	-.890	-.373
1535	.823	.337	-.028	-.121	-.188	-.640	-.257
1635	.614	.229	-.012	-.059	-.158	-.460	-.107
1735	.372	.139	+.017	-.098	-.058	-.375	-.395
1835	.245	.028	+.057	-.048	-.037	-.135	-.109
1935	.027	-.077	+.072	+.001	+.004	.910	.207
2035	-	-.070	+.055	+.003	+.012	.610	.085
2135	-	-.070	+.059	+.004	+.007	.540	.181
2235	-	-.070	+.035	+.016	+.019	.475	.255
2335	-	-.077	+.057	+.006	+.014	.260	.077

HEAT BUDGET AND GRADIENT DATA for O'Neill, Nebraska

August 21, 1956

TIME	I	R	C	E	L	ΔT	Δe
0035	-	-.088	+.035	+.018	+.035	.275	.089
0135	-	-.089	+.053	+.008	+.028	.210	.037
0235	-	-.089	+.040	+.017	+.032	.210	.072
0335	-	-.088	+.041	+.022	+.025	.210	.116
0435	-	-.080	+.049	+.013	+.018	.265	.125
0535	.019	-.080	+.043	+.015	+.022	.240	.105
0635	.133	-.016	+.007	+.004	+.005	.060	.036
0735	.386	.152	-.005	-.094	-.053	.100	.112
0835	.449	.311	-.024	-.129	-.158	-.310	.157

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