

Cupboard 28
Shelf 2
No. 83
1 book

Book No. *22*, 187 .

METEOROLOGICAL RECORDS.

Party No. *Reconnaissance* Section.

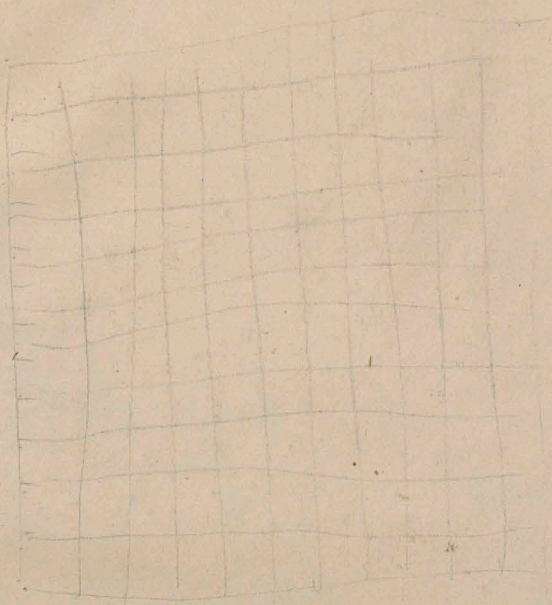
Camp at *through Newt. Ariz.*, 187 .

To Camp at *Commenced*, *Apr 22*, 1872.

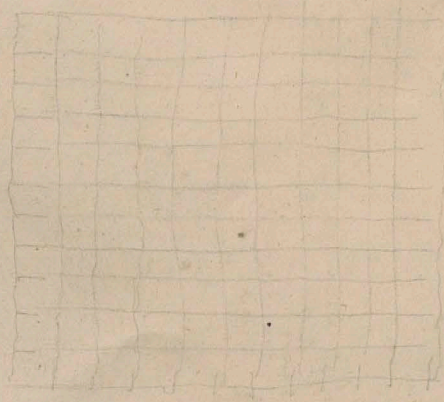
Shohuler , In charge of party.

Engineer Department, U. S. Army.

Geographical Surveys West of 100th Meridian.



Handwritten numbers and symbols, possibly a calculation or list, including a vertical line and the number 3.



COMPARISON

of

BAROMETERS

and

ATTACHED THERMOMETERS

Barometer reduced to 32°F

Error of Barometers

Error of All Thermometers

Barometer reduced to 32°F					Error of Barometers					Error of All Thermometers				
1735	1766	1767	1768	1769	1736	1766	1767	1768	1769	1736	1766	1767	1768	1769
29.808	29.794	29.809	29.811	29.776	-014	+001	+001	+003	-032	-02	...	-03	-02	-01
29.771	29.757	29.770	29.728	29.746	-014	-001	-043	-025	-03	...	-02	+01	..	..
29.737	29.725	29.741	29.702	29.706	-012	+004	-035	-031	-03	+01	-03	-06	-06	
29.694	29.702	29.712	29.663	29.679	+008	+018	-031	-015	-04	-01	-02	+01	-01	
29.733	29.725	29.732	29.700	29.703	-006	-	-033	-030	-02	+03	-01	-03	-05	
29.701	29.695	29.703	29.653	29.677	-006	+002	-048	-024	-04	-03	-01	-02	-02	
29.810	29.790	29.784	29.761	29.763	-020	-026	-049	-047	-04	-03	-05	-04	-07	
29.759	29.757	29.764	29.723	29.731	-002	+005	-036	-028	-02	-01	-03	-01	-03	
29.756	29.752	29.741	29.705	29.706	-004	-015	-051	-048	-03	..	-04	-04	-03	
29.782	29.762	29.774	29.744	29.744	-020	-008	-038	-038	-01	..	..	..	..
30.022	30.025	30.024	30.032	29.997	+003	+002	+010	-025	-02	-02	-02	-01	-04	
30.026	30.016	30.022	29.988	29.998	-010	-004	-038	-028	-02	+03	-03	-02	+2.9	X
30.182	30.174	30.170	30.141	30.147	-002	-012	-041	-035	-04	+01	-07	-01	-04	
30.130	30.132	30.120	30.099	30.106	+002	-	-031	-024	-03	+01	+02	+03	+02	
30.184	30.162	30.162	30.134	30.140	-022	-022	-050	-044	-03	-01	-02	+01	..	
30.117	30.117	30.111	30.069	30.066	-	-006	-048	-051	-03	-02	-01	+03	+01	
30.004	30.016	30.000	29.988	29.989	+012	-004	-016	-015	-06	-02	-05	-03	-02	
29.919	29.923	29.926	29.881	29.914	+004	+007	-038	+055	-03	+02	-03	-03	-03	
29.986	29.960	29.965	29.986	29.981	-026	-021	-	-005	-06	+01	-01	-02	-02	
29.920	29.916	29.921	29.879	29.886	-004	+001	-041	-034	-04	-02	-02	-02	-02	
597.041	597.900	597.962	597.387	597.517						-65				19 -42
29.802	29.895	29.898	29.869	29.876						-03	-00	-02	-01	+01 -02

82

45
19 $\sqrt{42}$
19
6
114
5

No.	Date	Hour	Barometer uncorrected			Attached Thermometers Correction to 32° F													
			1735	1376	1767	1768	1769	1735	1376	1766	1767	1768	1769	Stand	1735	1376	1766	1767	1768
1	J st	Nm. g. a.m.	30.050	30.036	30.033	30.006	30.000	67.2	67.5	67.1	67.5	67.2	67.2	-088	-086		-088	-087	-087
2	"	3. p.m.	30.071	30.070	30.075	29.979	29.989	66.7	66.5	66.2	66.3	66.2	66.	-101	-101		-101	-101	-103
3	2	9. a.m.	30.135	30.126	30.132	30.092	30.104	67.5	67.8	67.8	67.8	67.8	67.8	-088	-088		-088	-089	-089
4	"	3. p.m.	30.092	30.086	30.107	30.062	30.068	65.3	65.3	65.5	65.5	65.2	65.2	-099	-098		-098	-098	-098
5	3	9. a.m.	30.165	30.158	30.153	30.166	30.131	67.8	62.3	62.1	62.1	67.8	62.5	-089	-090		-089	-089	-091
6	"	3. p.m.	29.784	29.792	29.807	29.750	29.768	62.	62.4	62.5	62.5	62.4	62.7	-090	-090		-090	-089	-090
7	4	9. a.m.	30.159	30.163	30.162	30.124	30.136	64.	64.8	64.5	64.5	64.	64.5	-090	-097		-096	-095	-096
8	"	3. p.m.	29.799	29.793	29.807	29.750	29.775	65.2	65.6	65.4	65.4	65.2	65.3	-092	-099		-093	-096	-098
9	5	9. a.m.	30.111	30.114	30.113	30.121	30.087	63.	63.4	63.2	63.3	63.	63.2	-092	-093		-092	-092	-092
10	"	3. p.m.	30.125	30.115	30.121	30.087	30.089	64.3	64.9	64.9	64.5	64.3	64.4	-096	-097		-096	-095	-096
11	6	9. a.m.	30.111	30.114	30.113	30.121	30.087	62.	62.5	62.4	62.4	62.	62.3	-090	-090		-090	-089	-090
12	"	3. p.m.	30.125	30.115	30.121	30.087	30.089	66.	66.6	66.2	66.2	66.	66.2	-101	-101		-100	-100	-101
13	9	9. a.m.	30.229	30.225	30.227	30.192	30.207	57.8	58.1	57.7	58.	58.	58.	-079	-079		-078	-079	-079
14	"	3. p.m.	30.155	30.153	30.152	30.112	30.126	67.5	67.8	67.8	67.8	67.3	67.8	-088	-088		-088	-087	-089
15	10	9. a.m.	30.059	30.040	30.038	30.037	30.025	57.5	57.8	57.5	57.2	57.	57.	-078	-078		-076	-076	-076
16	"	3. p.m.	30.037	30.029	30.035	30.009	30.009	63.6	63.9	63.8	63.8	64.	63.8	-094	-094		-094	-095	-094
17	11	9. a.m.	30.227	30.211	30.193	30.173	30.179	58.2	59.	58.2	58.8	59.	59.1	-080	-081		-080	-081	-082
18	"	3. p.m.	30.185	30.185	30.187	30.162	30.157	62.5	62.8	62.6	62.7	62.5	62.5	-091	-091		-091	-090	-091
19	12	9. a.m.	30.196	30.194	30.200	30.164	30.165	58.	58.5	58.	58.2	58.	58.6	-079	-080		-079	-079	-080
20	"	3. p.m.	30.125	30.119	30.118	30.082	30.107	63.1	63.5	63.5	63.4	63.	63.	-093	-093		-093	-092	-092
Sum			601.868	601.778	601.810	601.260	601.286	1244.6	1253.0	1248.5	1249.9	1245.9	1248.5	1809	1816		1805	1797	1814
Mean			30.093	30.089	30.090	30.063	30.064	62.2	62.6	62.4	62.5	62.3	62.4	-090	-091		-090	-090	-091

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Parameter reduced to 32° F.						Error of Parameters			Errors of attached thermom.						
1735	1376	1766	1764	1768	1769	1376	1767	1768	1769	1376	1376	1766	1769	1768	1769
29.962	29.948	}	29.945	29.919	29.913	-014	-017	-043	-049	...	-03	+02	-02	...	...
29.970	29.909		29.914	29.878	29.889 29.886	-001	+004	-032	-024	...	-04	-01	-02	-07	+01
30.047	30.038		30.049	30.003	30.015	+009	-003	-044	-032	...	-03	-03	-03	-03	-03
29.993	29.988		30.003	29.964	29.970	-005	+010	-029	-023	...	...	-02	-02	+01	+01
30.076	30.068		30.064	30.077	30.040	-008	-012	+001	-036	...	-05	-03	-03	...	-07
29.694	29.702		29.711	29.661	29.678	+008	+017	-033	-016	...	-04	-05	-05	04	01
30.064	30.064		30.066	30.029	30.040	+002	+002	-035	-024	...	-08	-05	-05	...	-05
29.701	29.694		29.703	29.654	29.677	-007	+002	-047	-024	...	-04	-02	-02	...	-01
30.019	30.021		30.021	30.029	29.995	+002	+002	+010	-024	...	-04	-02	-03	...	-02
30.029	30.018		30.025	29.992	29.993	-011	-004	-037	-036	...	-06	-03	-02	...	-06
30.021	30.024		30.023	30.032	29.997	+003	+002	+011	-024	...	-05	-04	-04	...	-03
30.024	30.014		30.021	29.987	29.988	-010	-002	-037	-036	...	-06	-03	-02	...	-02
30.150	30.146		30.149	30.113	30.122	-004	-001	-037	-028	...	-04	+01	-02	...	-02
30.067	30.065		30.064	30.025	30.037	-002	-003	-042	-030	...	-03	-03	-03	-02	-03
29.981	29.962		29.962	29.955	29.949	-019	-019	-026	-032	...	-03	...	+03	+05	+05
29.937	29.935		29.941	29.914	29.915	-002	+004	-023	-022	...	-03	-02	-02	-04	-02
30.141	30.130		30.113	30.092	30.097	-011	-028	-049	-044	...	-08	...	-06	08	-09
30.097	30.094		30.090	30.062	30.066	-	-004	-032	-028	...	-03	-01	-02	...	...
30.117	30.114	30.121	30.085	30.085	-003	+004	+032	-032	...	-05	...	-02	...	-06	
30.032	30.026	30.025	29.990	30.009	-006	-007	-042	-023	...	-04	-04	-03	+07	+01	
600.059	599.962	600.005	599.461	599.472					...	-84	39	-53	-11	-41	
30.003	29.998	30.000	29.973	29.974					...	-04	-02	-03	-01	-02	

No	Date	Hour	Parameter uncorrected			W-T					Correction to 35°F								
			1735	1376	1764	1768	1769	1735	1376	1764	1768	1769	1735	1376	1764	1768	1769		
1	12 Nov	9 a.m.	30.102	30.099	30.101	30.066	30.076	59.2	59.7	59.5	59.5	59.4	59.6	-0.82	-0.83	-0.82	-0.82	-0.82	-0.83
2	"	3 p.m.	30.029	30.023	30.023	29.985	29.999	63.5	63.8	63.6	63.6	63.5	63.6	-0.94	-0.94	-0.93	-0.93	-0.93	-0.94
3	13	9 a.m.	30.100	30.099	30.094	30.063	30.069	61.6	61.9	61.9	61.8	62.0	62.0	-0.89	-0.89	-0.88	-0.88	-0.88	-0.89
4	"	3 p.m.	106	084	101	069	062	61	61.2	61.5	61.7	61.7	62.0						
5	14	9 a.m.	30.106	30.084	30.101	30.059	30.062	61.0	61.8	61.5	61.7	61.7	62.0	-0.87	-0.88	-0.88	-0.88	-0.88	-0.89
6	"	3 p.m.	30.055	30.052	30.063	30.021	30.029	63.1	63.5	63.2	63.2	63.3	63.2	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06
7	15	9 a.m.	30.123	30.128	30.111	30.088	30.092	63.6	63.9	63.8	64.1	63.9	64.3	-0.94	-0.94	-0.95	-0.94	-0.94	-0.95
8	"	3 p.m.	30.075	30.086	30.083	30.035	30.042	63.3	63.7	63.5	63.6	63.6	63.5	-1.07	-1.07	-1.07	-1.07	-1.07	-1.07
9	16	9 a.m.	30.093	30.089	30.089	30.059	30.059	62.3	63.1	62.7	63.1	63.1	63.3	-0.92	-0.92	-0.92	-0.92	-0.92	-0.93
10	"	3 p.m.	30.051	30.056	30.047	30.019	30.023	69.6	70.0	69.9	69.9	69.8	69.8	-1.10	-1.11	-1.10	-1.10	-1.10	-1.10
11	17	9 a.m.	30.187	30.185	30.203	30.155	30.188	63.9	64.3	64.0	64.2	64.2	64.5	-0.95	-0.95	-0.95	-0.95	-0.95	-0.96
12	"	3 p.m.	30.166	30.161	30.164	30.124	30.138	69.8	70.0	69.8	69.8	69.9	70.0	-1.11	-1.10	-1.10	-1.10	-1.10	-1.11
13	18	9 a.m.	30.332	30.313	30.323	30.286	30.306	63.2	63.5	63.3	63.7	64.5	63.6	-0.92	-0.95	-0.95	-0.95	-0.95	-0.95
14	"	3 p.m.	30.032	30.026	30.023	29.991	30.002	63.5	63.8	63.6	63.6	63.6	63.6	-0.94	-0.94	-0.93	-0.93	-0.93	-0.94
15	20	9 a.m.	30.262	30.245	30.249	30.216	30.225	66.3	66.5	66.1	66.2	66.4	66.5	-1.02	-1.01	-1.00	-1.01	-1.01	-1.01
16	"	3 p.m.	30.194	30.188	30.191	30.197	30.157	71.2	71.7	71.4	71.3	71.6	71.2	-1.14	-1.15	-1.14	-1.14	-1.14	-1.14
17	21	9 a.m.	30.291	30.272	30.269	30.232	30.256	64.7	64.3	64.3	64.3	64.7	64.7	-0.99	-0.98	-0.98	-0.97	-0.97	-0.98
18	"	3 p.m.	30.224	30.218	30.221	30.227	30.187	67.9	68.0	68.0	68.0	67.9	67.9	-1.06	-1.05	-1.05	-1.05	-1.05	-1.05
19	22	9 a.m.	30.157	30.153	30.159	30.124	30.137	64.3	64.8	64.1	64.8	64.7	64.5	-0.96	-0.97	-0.97	-0.97	-0.97	-0.96
20	"	3 p.m.	29.799	29.793	29.801	29.751	29.775	65.2	65.6	65.4	65.4	65.2	65.3	-0.98	-0.99	-0.98	-0.98	-0.98	-0.98
			572.389	572.175	572.320	571.694	571.822	1247.5	1244.4	1240.1	1242.3	1242.9	1243.1	1887	1873	1866	1870	1874	1874
			30.126	30.120	30.122	30.089	30.096	65.7	65.5	65.3	65.4	65.4	65.4	-0.99	-0.99	-0.98	-0.98	-0.98	-0.99

23 Nov. 9 a.m. 062 053 062 062 033 041 55.7 55.8 55.7 55.8 55.8 56.7

3 p.m. 5

24 Nov. 9 a.m. 056 039 048 021 031 57.7 58. - 57.8 57.8 57.6 57.8

25 9 a.m. 192 152 151 125 138 59.8 60.2 60. - 60. - 59.5 59.8

3 p.m.

26 9 a.m.

3 p.m.

28 9 a.m.

3 p.m.

29 9 a.m. 9

3 p.m. 9

30 9 a.m. 9

3 p.m. 8

1 Dec. 9 a.m.

3 p.m.

2 9 a.m. 8

3 p.m. 8

3 9 a.m.

3 p.m.

4 9 a.m.

3 p.m.

Ill.

1735 1376 1766 1767 1768 1769 1735 1376 1766 1767 1768 1769

30.204 30.234 30.232 30.212 30.209 68.4 68.2 69.0 68.9 68.9

24.922 24.928

Comparison on cistern Barometers.

on

Reconnoissance through Nevada and Arizona,

Commenced

April 22nd 1871.

San Francisco, Cal.

No.	Date	Hour	Barometer uncorrected					Alt. Thermometer					Correction to 32° F.					
			1735	1376	1766	1767	1768	1769	1735	1376	1766	1767	1768	1769				
1	1871	22 nd ap ^l	7 a.m.	29.928	29.918		29.916	29.928	29.932	62.0	62.4		66.2	68.3	65.4	0.90		
2	"	"	2 p.m.	29.920	29.920		29.906	29.912	29.930	68.1	68.8		68.7	69.0	68.7			
3	"	"	9 p.m.	29.912	29.900		29.900	29.830	29.813	67.4	68.0		68.1	68.0	67.9			
4	23 rd	"	7 a.m.	29.936	29.910		29.908	29.916	29.912	66.0	66.2		69.2	70.1	68.0			
5	"	"	2 p.m.	29.920	29.922		29.930	29.842	29.830	73.1	73.2		73.7	73.6	73.8			
6	"	"	9 p.m.	29.808	29.824		29.820	29.836	29.820	70.2	70.4		70.1	70.5	70.2			
7	24 th	"	7 a.m.	29.944	29.908		29.922	29.934	29.828	67.0	67.3		68.9	69.4	68.5			
8	"	"	2 p.m.	29.934	29.906		29.916	29.936	29.932	75.1	75.6		75.7	75.7	75.5			
9	"	"	9 p.m.	30.020	30.010		30.018	29.980	29.985	71.6	72.0		71.9	71.8	72.0			
10	25 th	"	7 a.m.	30.018	30.012		30.018	29.980	29.978	67.1	67.7		73.8	75.5	73.9			
11	"	"	2 a.m.	30.162	30.136		30.142	30.110	30.108	70.0	70.2		70.4	70.2	70.5			
12	"	"	9 p.m.	30.159	30.153		30.153	30.127	30.132	69.2	69.3		69.4	69.4	69.6			
13	26 th	"	7 a.m.	30.130	30.100		30.124	30.134	30.128	62.9	63.0		63.0	62.8	63.8			
14	"	"	2 p.m.	30.143	30.138		30.127	30.100	30.997	67.3	68.0		68.2	68.0	68.2			
15	"	"	9 p.m.	30.076	30.074		30.082	30.056	30.045	62.8	63.0		63.0	62.9	63.1			
16	27 th	"	7 a.m.	30.066	30.058		30.070	30.032	30.022	60.0	60.4		60.2	60.0	60.0			
17	"	"	2 p.m.	30.050	30.050		30.076	30.010	30.012	65.0	65.7		65.8	65.9	65.9			
18	"	"	9 p.m.	30.070	30.050		30.046	30.024	30.012	61.0	61.5		61.2	61.0	61.3			
19	28 th	"	7 a.m.	30.100	30.088		30.120	30.082	30.060	60.0	60.3		60.4	60.3	60.1			
20	"	"	2 p.m.	30.130	30.116		30.122	30.088	30.084	66.7	67.0		67.1	67.0	67.1			
21	"	"	9 p.m.	30.068	30.044		30.058	30.012	30.022	63.16	63.7		63.3	63.0	63.2			

San Francisco Cal & Haleakala Station, Ver.

No.	Date	Hour	Barometer uncorrected					Altd. Thermometer					Correction to 32° F.				
			1875	1876	1766	1767	1768	1769	1735	1736	1766	1767	1768	1769			
22	Apr 29	7 A.M.	29.988	29.980		29.994	29.994	29.958	59.8	60.2		63.1	63.1	61.5			
23	"	29 2 P.M.	29.976	29.964		29.966	29.920	29.916	65.7	66.0		66.1	66.1	66.2			
24	"	29 7 P.M.	29.968	29.950		29.962	29.924	29.924	63.8	64.0		63.7	63.9	64.0			
25	"	30 7 A.M.	30.028	30.002		30.030	29.994	29.982	64.0	64.9		65.1	64.8	64.7			
26	"	30 2 P.M.	30.062	30.036		30.046	30.004	30.000	65.0	65.2		65.5	65.4	65.6			
27	"	30 9 P.M.	30.032	30.000		30.016	29.968	29.978	64.4	64.6		64.5	64.2	64.5			
1	May 7	7 A.M.	24.738	24.740		24.732	24.730	24.728	48.9	49.6		49.0	49.2	49.2			
2	"	2 P.M.	24.774	24.766		24.766	24.758	24.752	61.4	62.0		62.0	61.8	61.7			
3	"	9 P.M.	24.814	24.822		24.810	24.800	24.808	52.7	53.2		52.7	52.8	52.9			
4	"	8 th 7 A.M.	24.936	24.928		24.932	24.916	24.906	46.0	46.7		46.2	46.0	46.7			
5	"	1 P.M.	24.878	24.884		24.862	24.878	24.860	69.2	69.5		69.5	69.1	69.0			
6	"	9 ..	24.842	24.838		24.840	24.838	24.830	60.0	60.3		60.1	60.0	59.9			
7			24.818	24.824		24.820	24.816	24.810	57.0	57.3		57.0	57.0	57.1			
			24.682	24.698		24.690	24.688	24.670	73.6	73.8		73.7	73.5	73.5			
			24.732	24.734		24.724	24.734	24.722	56.7	56.8		56.0	56.2	56.8			
			24.820	24.832		24.820	24.824	24.816	40.4	41.0		40.2	40.2	40.8			
			24.800	24.806		24.804	24.794	24.792	60.8	61.0		61.0	60.9	61.0			
			24.766	24.774		24.762	24.762	24.752	50.0	50.7		50.0	49.9	50.0			
			24.838	24.844		24.830	24.828	24.816	41.2	41.4		41.2	41.3	41.1			
			24.828	24.842		24.824	24.828	24.816	63.2	63.5		64.0	63.6	63.9			

Lynn Garrison at
Halleck Station Nevada

Barometer reduced to 32° F.

Error of Barometer

Error of Thermometer

Halleck Station Nev.

Halleck Station Nevada

No	Date	Hour	Barometer uncorrected						Altd. Thermometer						Correction to 30° F.					
			1735	1346	1766	1767	1768	1769	1735	1736	1766	1767	1768	1769						
			24.854	24.862		24.848	24.850	24.834	50.0	50.5	50.0	50.0	50.0	50.1						
			24.922	24.929		24.918	24.934	24.904	41.9	43.0		43.0	42.8	42.9						
			24.924	24.936		24.928	24.928	24.914	71.5	71.5		71.3	71.1	71.2						
			24.910	24.914		24.914	24.906	24.898	54.9	55.2		55.0	55.0	55.2						
			24.922	24.928		24.910	24.922	24.908	40.8	41.3		41.0	41.0	41.2						
			24.886	24.902		24.890	24.892	24.880	74.9	75.0		75.0	74.8	74.8						
			24.848	24.854		24.834	24.844	24.836	65.0	65.3		64.8	64.8	65.2						
			24.830	24.840		24.832	24.832	24.816	54.0	54.4		54.5	54.5	54.6						
			24.744	24.756		24.754	24.740	24.732	72.5	72.9		72.8	72.5	72.5						
			24.730	24.720		24.720	24.720	24.696	59.5	59.3		59.3	59.6	59.1						

No.	Date	Hour	Barometer uncorrected					Attd. Thermometer					Correction in 32 Fahrenheit			
			1735	1346	1766	1767	1768	1769	1735	1346	1766	1767	1768	1769		

1735 1346 1766 1767 1768 1769 1735 1346 1766 1767 1768 1769

1)

Hourly observations - taken at

No.	Date	Hour	Barometer uncorrected	Alt. Thermometers	Correction to 30° F.
			1735 1768 1769	1735	
1	24 June	10 AM	22.426	62.9	
2	"	11 "	22.415	65.7	
3	"	12 No	22.410	67.	
4	"	10 P.M.	22.408	66.4	
5	"	2 "	22.412 22.410 22.411	76. - 76.1 76.2	
6	"	3 "	22.420	79.2	
7	"	4 "	22.400 22.728	73.1	
8	"	5 "	22.392	69.2	
9	"	6 "	22.384	64.1	
10	"	7 "	22.393	56.3	
11	"	8 "	22.404	50.3	
12	"	9 "	22.382 22.418 22.416	51. - 51.6 52.0	
13	"	10 "	22.393	43.4	
14	"	11 "	22.396	42.	
15	"	12 "	22.396	37.8	
16	25 June	AM	22.398	36.4	
17	"	2 "	22.392	30.4	
18	"	3 "	22.390	29.6	
19	"	4 "	22.393	29.8	
20	"	5 "	22.414	29.6	
21	"	6 "	22.460	52.7	

Amen, Amen

✓ Britain

2)

No	Date	Hour	1735	1768	1769	1735	1768	1769
22	25 June	7 AM	22.484	22.476	22.470	58.9	58.9	58.4
23	"	8 "	22.508			58.3		
24	"	9 "	22.514			59.6		
25	"	10 "	22.539			61.8		
26	"	11 "	22.552			65.		
27	"	12 M	22.567			66.4		
28	"	1 PM	22.500	22.500	22.506	69.0	69.1	68.8
29	"	2 PM	22.500			68.50		
30	"	3 PM	22.550			60.1		
31	"	4 "	22.576			64.-		
32	"	5 "	22.574			63.1		
33	"	6 "	22.572			60.9		
34	"	7 "	22.572			58.		
35	"	8 "	22.570			48.-		
36	"	9 "	22.567			42.-		
37	"	10 "	22.570			39.		
38	"	11 "	22.568			34		
39	"	12 M	22.564			32		
40	26 June	1 AM	22.568			31.4		
41	"	2 "	22.572			30.7		
42	"	3 "	22.572			29.-		

3)

No	Date	Hour	1735 1768 1769			1735 1768 1769		
43	Small	4 A.M.	22.561			29.		
44	"	5 "	22.568			30.		
45	"	6 "	22.629			62.		
46	"	7 "	22.477			63.5		
47	"	8 "	22.450			64.6		
48	"	9 "	22.486			65.-		
49	"	10 "	22.456			66.6		
50	"	11 "	22.451			66.3		
51	"	12 "	22.462			67.7		
52	"	10 ⁵ "	22.468			70.4		
53	"	2 "	22.476	22.727	22.721	69.6	69.	68.8
54	"	3 "	22.481			68.8	60.2	
55	"	4 "	22.477			69.6		
56	"	5 "	22.475			69.7		
57	"	6 "	22.472			66.0		
58	"	7 "	22.472			54.0		
59	"	8 "	22.462			49.2		
60	"	9 "	22.490			46.1		
61	"	10 "	22.492			44.2		
62	"	11 "	22.495			41.8		
63	"	12 "	22.475			40		

June 26th Hazy atmosphere & mists from 4 to 9 P.M.

64	Line 27 1st	22,452				11.
65	" 2 "	22,473				10
66	" 3 "	22,470				9.5
67	" 4 "	22,487				37.9
68	" 5 "	22,484				38.4
69	" 6 "	22,492				44.1
70	" 7 "	22,544	22,775	22,770		65.8 65.6 67.
71	" 8 "	22,551				70
72	" 9 "	22,550				71.2
73	" 10 "	22,540				73.3
74	" 11 "	22,550				78.
75	" 12 M	22,500				78.5
76	" 1 P.M.	22,548				79.3
77	" 2 "	22,578	22,774	22,778		80.0 80.3 80.4
78	" 3 "	22,578				81.9
79	" 4 "	22,512				80.4
80	" 5 "	22,505				81
81	" 6 "	22,505				74.6
82	" 7 "	22,491				75.8
83	" 8 "	22,585	22,572	22,570		57.0
84	" 9 "	22,570	22,620	22,617		54.2 54 54.2

57

No	Date	Time	1735	1768	1769	1785	1768	1769
85	June 27 ^o	10 P.M.	22.710			62.1		
86	"	11 " "	22.720			49.9		
87	"	12 " "	22.706			44.7		
88	June 28	1 AM	22.697			44		
89	"	2 "	22.689			44.3		
90	"	3 "	22.678			45.4		
91	"	4 "	22.671			42.5		
92	"	5 "	22.662			42.7		
93	"	6 "	22.654			57		
94	"	7 "	22.730	22.724	22.718	72.9	73.2	73.7
95	"	8 "	22.728			74.5		
96	"	9 "	22.744			81.1		
97	"	10 "	22.748			79.1		
98	"	11 "	22.744			80.		
99	"	12 "	22.741			85.8		
100	"	1 P.M.	22.731			84.		
101	"	2 "	22.724	22.713	22.710	79.6	84.6	84.8
102	"	3 "	22.710			85.8		
103	"	4 "	22.695			83.9		
104	"	5 "	22.684			81.8		
105	"	6 "	22.648			79.4		

June 28 from 5 to 7 fine clark's mist-hungrier low in valley by camp

J

No. Date Hour

No.	Date	Hour	1735	1768	1769	1735	1768	1769
106	June 28	7 PM	22.640			68.0		
107	" "	8 "	22.635			59.		
108	" "	9 "	22.642	22.649	22.635	57.	57.	57
109	" "	10 "	22.633			58.4		
110	" "	11 "	22.680			52.3		
111	" "	12 "	22.622			39.4		
<hr/>								
112	June 29	1 AM	22.622			54.2		
113	" "	2 "	22.624			50.8		
114	" "	3 "	22.628			47.-		
115	" "	4 "	22.632			45.5		
116	" "	5 "	22.636			48.2		
117	" "	6 "	22.659			59.-		
118	" "	7 "	22.652	22.651	22.640	70.2	70.5	71.0
119	" "	8 "	22.693			80.4		
120	" "	9 "	22.700			82.4		
121	" "	10 "	22.688			82.3		
122	" "	11 "	22.694			89.2		
123	" "	12 "	22.690			84.8		
124	" "	1 PM	22.678			80.-		
125	" "	2 "	22.690	22.679	22.668	90.1	89.2	78.5
126	" "	3 "	22.683			88.6		

7
7
7

rw

No	Date	Hour	1735	1768	1769	1735	1768	1769
127	June 29	4 PM	22,663			85.6		
128	"	5 " "	22,663			81.5		
129	"	6 " "	22,654			77.8		
130	"	7 " "	22,648			72.1		
131	"	8 " "	22,644			57.5		
132	"	9 " "	22,616			59.1		
133	"	10 " "	22,629			56,		
134	"	11 " "	22,620			53.3		
135	"	12 " "	22,610			54.2		
136	June 30	1 "	22,604			55.8		
137	"	2 "	22,616			44		
138	"	3 "	22,616			43.7		
139	"	4 "	22,612			43.2		
140	"	5 "	22,604			43.0		
141	"	6 "	22,618			58.7		
142	"	7 "	22,679	22,680	22,667	46.3	75.5	75.7
143	"	8 "	22,656			80.3		
144	"	9 "	22,648			82.		
145	"	10 " "	22,642			83.1		
146	"	11 " "	22,636			84.		

No	Hour Bank uncorrected				This uncorrected		
	1871	1735	1768	1769	1735	1768	1769
147	Jan 30 12 A.	22,642			87-		
148	" " 1 P.M.	22,630			88.8		
149	" " 2 P.M.	22,618	22,652	22,648	90.1	89.9	89.8
150	" " 3 " "	22,600			89.2		
151	" " 4 " "	22,580			87.5		
152	" " 5 " "	22,570			85-		
153	" " 6 " "	22,572			81.4		
154	" " 7 " "	22,550			65.5		
155	" " 8 " "	22,544			59.2		
156	" " 9 " "	22,536			57.1		
157	" " 10 " "	22,545			55.3		
158	" " 11 " "	22,534			48.2		
159	" " 12 " "	22,513			43.		
160	July 1 AM	22,512			42.9		
161	" " 2	22,518			42.6		
162	" " 3	22,506			42.4		
163	" " 4	22,506			42.8		
164	" " 5	22,501			43.2		
165	" " 6	22,500			43		
166	" " 7	22,521			39.7		
167	" " 8	22,592			76.9		

Neo Halc Hours

1871

189	July 26 am	22,586			58.1					
190	" " 7 ...	22,624	22,672	22,676	76.1	76.7	72.-			
191	" " 8 " "	22,638			74.1					
192	" " 9 " "	22,640			77.2					
193	" " 10 " "	22,644			80.1					
194	" " 11 " "	22,648			82.4					
195	" " 12 M	22,652			85.-					
196	" " 1 PM	22,645			86.3					
197	" " 2 " "	22,638	22,690	22,697	79.7	79.8	80.7			
198	" " 3 " "	22,628			74,					
199	" " 4 " "	22,623			77.1					
200	" " 5 " "	22,608			72.					
201	" " 6 " "	22,612			69					
202	" " 7 " "	22,615			64.7					
203	" " 8 " "	22,614			62.5					
204	" " 9 " "	22,618	22,664	22,652	61.2	61.4	66.8			
205	" " 10 " "	22,618			63.-					
206	" " 11 " "	22,624			58.-					
207	" " 12 " "	22,618			74.9					
208	July 1 am	22,610			52.8					
209	" " "	22,606			51.6					

1735-1768

210	July 3 AM	22,608	50.2
211	" 4 "	22,600	50.-
212	" 5 AM	22,582	45.5
213	" 6 "	22,674	
214	" 7 "		
215	" 8 "	22,674	71.2
216	" 9 "	22,678	75.-

	July 3 P.M.	22,616	78.1
	" 9 "	22,618	59.1
	7. AM	22,566	56.1

Silver Cañon Nevada

No	Date	Barometes uncorrected	alt'd Thermometer
1871	Hour	1735 1768	1735 1765
1	July 17 th A.M.	23.766 23.760 ✓	✓ 76.9 77. - ✓
2	" " 2 nd P.M.	23.756	✓ 85.7
3	" " 9 th "	23.688 23.688	72.7 74.1
4	" 12 th 7 th A.M.	23.700 23.706	78. - 78.2
2 nd	" 11 th 1230 P.M.	22.050	73.6
2 nd	" " 1.10	22.091	75.4
5	12 2 nd P.M.	23.732 23.734	86.8 87. -

Observations 2a + 2c Taken on summit of mountain
July 11

Wind

Hourly observations on Anemometer at

No	Date	Hour	Anemometer	No	Date	Hour	Anemometer	Remarks
	1971		Ready No of m/s pt		1971		Reading m/s per hour	
1	24 June	10 A.M.	842.00	22	25 June	7 A.M.	48.70	
2	"	" 11 "	854.80	23	"	" 8 "	55.25	
3	"	" 12 No	864.80	24	"	" 9 "	61.60	
4	"	" 1 P.M.	879.25	25	"	" 10 "	70.	
5	"	" 2 "	890.70	26	"	" 11 "	77.89	
6	"	" 3 "	915.65	27	"	" 12 M	88.45	
7	"	" 4 "	938.25	28	"	" 1 P.M.	97.70	
8	"	" 5 "	945.40	29	"	" 2 P.M.	112.17	
9	"	" 6 "	953.90	30	"	" 3 "	124.80	
10	"	" 7 "	977.68	31	"	" 4 "	131.45	
11	"	" 8 "	979.60 ^x	32	"	" 5 "	137.25	
12	"	" 9 "	982.75	33	"	" 6 "	143.70	
13	"	" 10 "	6.57	34	"	" 7 "	147.07	
14	"	" 11 "	13.60	35	"	" 8 "	159.35	
15	"	" 12 "	19.45	36	"	" 9 "	163.35	
16	25 June	1 A.M.	23.80	37		10	168.70	
17	"	" 2 "	26.95	38		"	173.22	
18	"	" 3 "	31.25	39		12	177.42	
19	"	" 4 "	37.40	40	June 26	1 A.M.	179.20	
20	"	" 5 "	41.75	41	"	" 2 "	181.25	
21	"	" 6 "	44.70	42	"	" 3 "	183.85	

26 " 7 am

26 June 199.47

June 27 " " " " "

Camp near Belmont Nevada

No	Date	Hour	Barometer Reading	Feet miles Hour	No	Date	Hour	Barometer Reading	Feet miles Hour	Remarks
						1871				
43	June 26	4 am	185.44		64	June 28	1 AM	318.45		
44	" "	5 am	188.37		65	" "	2 " "	329.60		
45	" "	6 " "	190. -		66	" "	3 " "	337.22		
46	" "	7 " "	199.47		67	" "	4 " "	342.25		NE
47	" "	8 " "	203.36		68	" "	5 " "	344.25		"
48	" "	9 " "	212.60		69	" "	6 " "	349.05		"
49	" "	10 " "	222.70		70	" "	7 " "	350.00		
50	" "	11 " "	231.20		71	" "	8 " "	351.65		S.E.
51	" "	12 AM	240.60		72	" "	9 " "	358.95		
52	" "	1 PM	248.45		73	" "	10 " "	360.57		
53	" "	2 " "	261.24		74	" "	11 " "	371.15		Perfectly Calm at 8 o'clock P.M.
54	" "	3 " "	270.50		75	" "	12 AM	380. -		S.W.
55	" "	4 " "	276.05		76	" "	1 PM	384.25		S.W.
56	" "	5 " "	282.10		77	" "	2 " "	392.70		S.W.
57	" "	6 " "	285.31		78	" "	3 " "	399.05		
58	" "	7 " "	286.69		79	" "	4 " "	405.45		
59	" "	8 " "	298.05		80	" "	5 " "	411.60		
60	" "	9 " "	297.60		81	" "	6 " "	419.40		
61	" "	10 " "	301.15		82	" "	7 " "	420.67		
62	" "	11 " "	306.30		83	" "	8 " "	430.00		
63	" "	12 " "	309.45		84	" "	9 " "	438.90		

Barometer

cont.

1891		Miles		No.	Date	Hour	Reading	1871	Date	Hour	Reading	Remarks
No.	Date	Hour	Reading	No.	Date	Hour	Reading	No.	Date	Hour	Reading	Remarks
85	June 27	10 P.M.	442.55	105	June 28	6 P.M.	545.80					
86	"	"	444.90	106	"	"	550.55					
87	"	"	446.20	107	"	8 "	561.10					
88	June 28	7 AM	449.90	108	"	9 "	564.80					
89	"	"	454.45	109	"	10 "	567.45					
90	"	"	458.15	110	"	11 "	571.10					
91	"	"	460.28	111	"	12 "	574.90					
92	"	"	463.13	112	June 29	1 AM	577.80					
93	"	"	465.65	113	"	2 "	581.45					
94	"	"	468.05	114	"	3 "	583.30					
95	"	"	472.60	115	"	4 "	585.55					
96	"	"	480. —	116	"	5 AM	589.20					
97	"	"	485.10	117	"	6 "	593.00					
98	"	"	494.55	118	"	7 "	600.06					
99	"	"	504.00	119	"	8 "	610.66					
100	"	"	509.30	120	"	9 "	623.63					
101	"	"	523.65	121	"	10 "	628.25					
102	"	"	531.90	122	"	11 "	635.05					
103	"	"	537.00	123	"	12 AM	638.50					
104	"	"	542.65	124	"	1 P.M.	642.25					

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Queen

| No  | Date    | Hour   | Altimeter Reading | Miles per hour | No  | Date    | Hour    | Altimeter Reading | Miles per hour | Remarks        |
|-----|---------|--------|-------------------|----------------|-----|---------|---------|-------------------|----------------|----------------|
| 125 | June 29 | 2 P.M. | 653.25            |                | 145 | June 30 | 10 am.  | 816.75            |                | 1 P.M. 992.90  |
| 126 | " "     | 3 " "  | 661.65            |                | 146 | " "     | 11 " "  | 830.10            |                |                |
| 127 | " "     | 4 " "  | 674.50            |                | 147 | " "     | 12 P.M. | 837.50            |                |                |
| 128 | " "     | 5 " "  | 685.22            |                | 148 | " "     | 1 P.M.  | 841.00            |                |                |
| 129 | " "     | 6 " "  | 694.05            |                | 149 | " "     | 2 " "   | 845.60            |                |                |
| 130 | " "     | 7 " "  | 701.55            |                | 150 | " "     | 3 " "   | 858.35            |                |                |
| 131 | " "     | 8 " "  | 703.90            |                | 151 | " "     | 4 " "   | 864.05            |                |                |
| 132 | " "     | 9 " "  | 708.25            |                | 152 | " "     | 5 " "   | 874.50            |                |                |
| 133 | " "     | 10 " " | 716.45            |                | 153 | " "     | 6 " "   | 883.70            |                |                |
| 134 | " "     | 11 " " | 724.90            |                | 154 | " "     | 7 " "   | 893.50            |                |                |
| 135 | " "     | 12 " " | 732.05            |                | 155 | " "     | 8 " "   | 899.75            |                |                |
| 136 | June 30 | 1 am.  | 739.80            |                | 156 | " "     | 9 " "   | 903.20            |                |                |
| 137 | " "     | 2 am.  | 748.25            |                | 157 | " "     | 10 " "  | 909.30            |                |                |
| 138 | " "     | 3 am.  | 755.60            |                | 158 | " "     | 11 " "  | 911.20            |                |                |
| 139 | " "     | 4 am.  | 761.05            |                | 159 | " "     | 12 " "  | 913.55            |                |                |
| 140 | " "     | 5 " "  | 763.65            |                | 160 | July 1  | 1 am.   | 914.30            |                |                |
| 141 | " "     | 6 " "  | 767.55            |                | 161 | " "     | 2 " "   | 917.20            |                |                |
| 142 | " "     | 7 " "  | 774.65            |                | 162 | " "     | 3 " "   | 918.95            |                |                |
| 143 | " "     | 8 " "  | 785.45            |                | 163 | " "     | 4 " "   | 922.45            |                |                |
| 144 | " "     | 9 " "  | 800.00            |                | 164 | " "     | 5 " "   | 927.03            |                |                |
|     |         |        |                   |                | 165 | " "     | 6 " "   | 930.27            |                |                |
|     |         |        |                   |                | 166 | " "     | 7 " "   | 932.75            |                | 2 P.M. - 17.00 |
|     |         |        |                   |                | 167 | " "     | 8 " "   | 936.40            |                | 3 " - 32.15    |
|     |         |        |                   |                | 168 | " "     | 9 " "   |                   |                | 4 " - 40.95    |
|     |         |        |                   |                | 169 | " "     | 10 " "  |                   |                | 5 " - 43.25    |
|     |         |        |                   |                | 170 | " "     | 11 " "  | 918.70            |                | 6 " - 45.50    |
|     |         |        |                   |                | 171 | " "     | 12 P.M. | 991.05            |                | 7 " - 48.60    |

| No  | Date                 | Hour   | Reading | Miles per hour | No  | Date                 | Hour    | Reading | Miles per hour |
|-----|----------------------|--------|---------|----------------|-----|----------------------|---------|---------|----------------|
| 179 | July 1 <sup>st</sup> | 8 P.M. | 57.60   |                | 199 | July 2 <sup>nd</sup> | 4 P.M.  | 210.60  |                |
| 180 | "                    | 9 "    | 69.80   |                | 200 | "                    | 5 "     | 218.75  |                |
| 181 | "                    | 10 "   | 78.95   |                | 201 | "                    | 6 "     | 223.60  |                |
| 182 | "                    | 11 "   | 83.30   |                | 202 | "                    | 7 "     | 239.50  |                |
| 183 | "                    | 12 "   | 88.55   |                | 203 | "                    | 8 "     | 258.70  |                |
| 184 | July 2 <sup>nd</sup> | 1 a.m. | 92.90   |                | 204 | "                    | 9 "     | 267.35  |                |
| 185 | "                    | 2 a.m. | 94.25   |                | 205 | "                    | 10 "    | 275.20  |                |
| 186 | "                    | 3 "    | 97.80   |                | 206 | "                    | 11 "    | 283.20  |                |
| 187 | "                    | 4 "    | 101.20  |                | 207 | "                    | 12 "    | 285.75  |                |
| 188 | "                    | 5 "    | 108.40  |                | 208 | July 3 <sup>rd</sup> | 1 a.m.  | 291.10  |                |
| 189 | "                    | 6 "    | 114.70  |                | 209 | "                    | 2 "     | 295.90  |                |
| 190 | "                    | 7 a.m. | 115.60  |                | 210 | "                    | 3 "     | 297.10  |                |
| 191 | "                    | 8 "    | 118.30  |                | 211 | "                    | 4 "     | 307.30  |                |
| 192 | "                    | 9 "    | 123.05  |                | 212 | "                    | 5 "     | 306.80  |                |
| 193 | "                    | 10 "   | 128.20  |                | 213 | "                    | 6 "     |         |                |
| 194 | "                    | 11 "   | 135.60  |                | 214 | "                    | 7 "     |         |                |
| 195 | "                    | 12 M   | 149.50  |                | 215 | "                    | 8 "     | 317.40  |                |
| 196 | "                    | 1 P.M. | 159.65  |                | 216 | "                    | 9 "     | 320.20  |                |
| 197 | "                    | 2 "    | 181.35  |                |     |                      |         |         |                |
| 198 | "                    | 3 "    | 194.10  |                |     |                      |         |         |                |
|     |                      |        |         |                |     |                      | 20 P.M. | 369.48  |                |
|     |                      |        |         |                |     |                      | 9 "     | 433.50  |                |



# Silver Cañon

Nevada

## Anemometer

| No | Date            | Hour   | Reading | Miles<br>per<br>Hour | No | Date | Hour | Reading | Miles<br>per<br>Hour | Remarks |
|----|-----------------|--------|---------|----------------------|----|------|------|---------|----------------------|---------|
| 1  | July 11<br>1871 | 7 A.M. | 705.05  |                      |    |      |      |         |                      |         |
| 2  | " "             | 2 P.M. | 754.85  |                      |    |      |      |         |                      |         |
| 3  | " "             | 9 " "  | 791.40  |                      |    |      |      |         |                      |         |
| 4  | " 12            | 9 A.M. | 847.45  |                      |    |      |      |         |                      |         |
| 5  | " "             | 2 P.M. | 903.75  |                      |    |      |      |         |                      |         |