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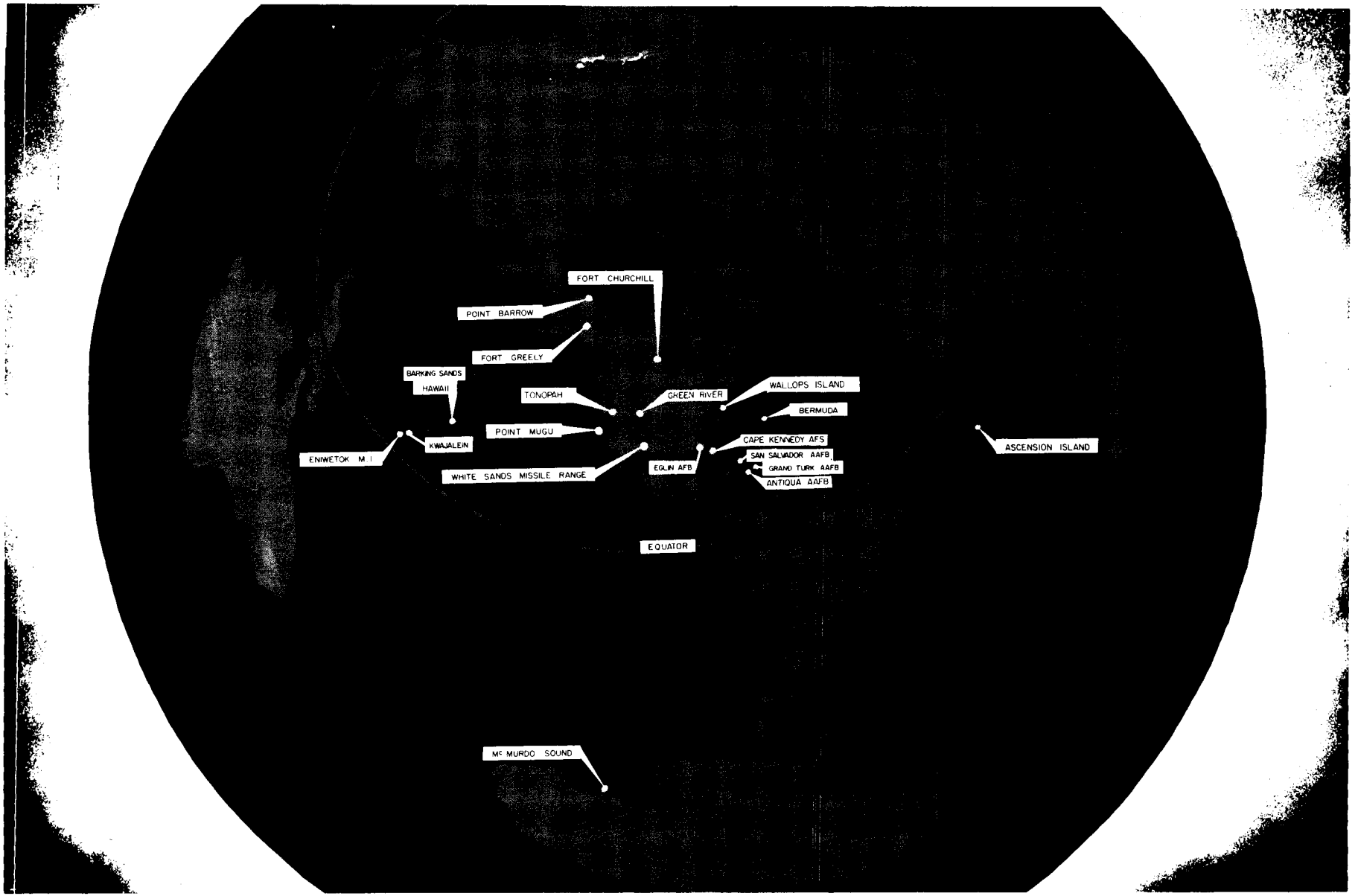
METEOROLOGICAL WORKING GROUP
INTER-RANGE INSTRUMENTATION GROUP
RANGE COMMANDERS COUNCIL

NATIONAL RANGES

WHITE SANDS MISSILE RANGE
KWAJALEIN TEST SITE
PACIFIC MISSILE RANGE
AIR FORCE EASTERN TEST RANGE
AIR FORCE WESTERN TEST RANGE

SERVICE RANGES

NAVAL ORDNANCE TEST STATION
AIR PROVING GROUND CENTER
AIR FORCE FLIGHT TEST CENTER
AIR FORCE SATELLITE CONTROL FACILITY


FORT CHURCHILL
POINT BARROW
FORT GREELY
BARKING SANDS
HAWAII
TONOPAH
GREEN RIVER
WALLOPS ISLAND
BERMUDA
POINT MUGU
CAPE KENNEDY AFS
SAN SALVADOR AAFB
GRAND TURK AAFB
ANTIQUA AAFB
ENIWETOK M I
KWAJALEIN
WHITE SANDS MISSILE RANGE
EGLIN AFB
ASCENSION ISLAND
EQUATOR
Mc MURDO SOUND

IRIG DOCUMENT 109-62

DATA REPORT

of the

METEOROLOGICAL ROCKET NETWORK FIRINGS

Volume LIV

February 1966 Firings

Edited by

METEOROLOGICAL ROCKET NETWORK COMMITTEE
Meteorological Working Group
Inter-Range Instrumentation Group
Range Commanders Council

Data reduced and prepared by

U. S. ARMY ELECTRONICS RESEARCH AND DEVELOPMENT ACTIVITY
White Sands Missile Range, New Mexico

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FOREWORD

The meteorological Rocket Network (MRN) combines the investigative efforts of a number of meteorological organizations engaged in upper atmospheric studies. The necessary coordination has been effected by the Inter-Range Instrumentation Group (IRIG) through its Meteorological Working Group (MWG). The Meteorological Rocket Network Committee (MRNC) was formed in October 1959 to implement the necessary actions required to weld these diverse cooperating groups into an effective research network for upper atmospheric exploration. The MRNC has played an active role in coordinating the planning, implementation, data processing, and publication of the data acquired under the auspices of the MRN.

Background information relative to the development of the MRN, the techniques employed, and the participants, is contained in IRIG Document 111-64, first published in February 1965. A complete presentation of the participating rocket firing stations is illustrated on the accompanying map. One should note that only a few samples have been obtained at certain stations, while many hundreds have been obtained at several sites.

The organizations which have contributed data to the MRN are the U.S. Army, U.S. Navy, U.S. Air Force, Atomic Energy Commission, National Aeronautics and Space Administration, National Science Foundation, the U.S. Weather Bureau, the British Meteorological Service, and the Department of National Defense, R.C.A. These cooperating organizations have forwarded their data to the U.S. Army Electronics Research and Development Activity (USA ERDA), White Sands Missile Range, New Mexico, which has furnished the facilities and personnel required for necessary reduction, graphing, digitizing, and publishing of the data. Personnel of the Data Analysis Center of Schellenger Research Laboratories, Texas Western College, El Paso, Texas, accomplish the necessary data reduction and graphical presentation under Contract DA-29-040-1507(X)-II.

METEOROLOGICAL ROCKET NETWORK DATA

The meteorological Rocket Network Data Reports were first published in the fall of 1959. These Data Reports began on a quarterly basis, but were changed to a monthly basis with the September 1962 data. Each report contains the wind and temperature measurements from all available Network firings for that particular month, along with computed values for pressure, density, and speed of sound. It also includes the radiosonde observations nearest the time of firing. Release time of the radiosonde should be within ± 6 hours of the time of firing. However, exceptions up to ± 12 hours are made, particularly in tropical regions. Since only those firings which yield significant data are of interest here, the report does not include unsuccessful firings. Meteorological Rocket Network Stations which have contributed data are listed in the index. Any data delayed and thus omitted from previous publications will appear in a second addendum.

Data gathered by the Meteorological Rocket Network prior to 1965 were uniformly reduced by USA ERDA, White Sands Missile Range, New Mexico, using graphical techniques. Beginning with the 1965 data, initial reduction is the responsibility of each contributing station. This change has been brought about primarily because the radar plots once used as a common denominator for all reduction are no longer available. Under this new reduction procedure, several of the MRN sites will be reducing wind data from digital radar position tapes via high-speed computers. The advantages in this method are obvious.

Naturally the details involved in the collection and reduction of MRN data are numerous and cannot be given in each data report. However, the users of these reports are referred to IRIG Document 111-64, February 1965, as mentioned in the foreword. Familiarization with this document is urged. Additional information concerning computer techniques used in reduction should be referred to the individual contributors.

A brief monthly summary is initiated with the 1965 data reports. This summary, found immediately before the addendum, is designed to compare the mean profile for the current month with long-term means for the same months. It is hoped that this summary will prove of value to the user and that its scope can be increased with time.

METEOROLOGICAL ROCKET NETWORK SUMMARY

Page No.	Date GCT	Time GCT	Type Rocket	Wind Sensor	Temperature Sensor	Temp Track (10^1 M MSL)	Wind Track (10^1 M MSL)
AFETR, ANTIGUA AAFB, B.W.I.					Lat. 17° 09'N Long. 61° 47'W		
15	2 Feb 66	1525	Arcas	Chute	Arcasonde 1A	5275-2450	5450-2600
33	4 Feb 66	1507	Arcas	Chute	Arcasonde 1A	3900-2450	5750-2475
43	7 Feb 66	1501	Arcas	Chute	Arcasonde 1A	5000-2450	5050-2475
56	8 Feb 66	2307	Arcas	Chute	N/A	N/A	4481-2499
59	9 Feb 66	0007	Arcas	Chute	Arcasonde 1A	4850-2450	4800-2450
62	9 Feb 66	1508	Arcas	Chute	Arcasonde 1A	5375-2450	5225-2475
68	10 Feb 66	0207	Arcas	Chute	Arcasonde 1A	4600-2450	4650-2475
83	10 Feb 66	2340	Arcas	Chute	Arcasonde 1A	4075-2450	4500-2500
99	14 Feb 66	1515	Arcas	Chute	Arcasonde 1A	4300-2450	4400-2475
141	21 Feb 66	1445	Arcas	Chute	Arcasonde 1A	5303-2438	5791-2438
150	23 Feb 66	1446	Arcas	Chute	Arcasonde 1A	4572-2438	5334-2438
169	25 Feb 66	1600	Arcas	Chute	Arcasonde 1A	3825-2450	5300-2475
182	28 Feb 66	1445	Arcas	Chute	Arcasonde 1A	5425-2450	5182-2438
AFETR, ASCENSION ISLAND AFB					Lat. 07° 59'S Long. 14° 25'W		
14	2 Feb 66	1500	Arcas	Chute	Arcasonde 1A	6500-2450	5700-2475
35	4 Feb 66	1600	Arcas	Chute	N/A	N/A	5761-2408
42	7 Feb 66	1500	Arcas	Chute	Arcasonde 1A	5375-2450	5900-2450
60	9 Feb 66	1500	Arcas	Chute	Arcasonde 1A	4350-2450	5650-2450
87	11 Feb 66	0300	Arcas	Chute	Arcasonde 1A	5450-2450	5600-2450
89	11 Feb 66	1500	Arcas	Chute	Arcasonde 1A	4875-2450	5750-2450
97	14 Feb 66	1500	Arcas	Chute	Arcasonde 1A	4150-2450	5775-2475
107	16 Feb 66	1510	Arcas	Chute	Arcasonde 1A	5900-2450	5700-2475
123	18 Feb 66	1430	Arcas	Chute	Arcasonde 1A	5475-2450	5700-2600
138	21 Feb 66	1300	Arcas	Chute	N/A	N/A	5791-2408
140	21 Feb 66	1430	Arcas	Chute	Arcasonde 1A	6350-2450	5700-2475
144	22 Feb 66	1300	Arcas	Chute	Arcasonde 1A	6425-2450	5800-2475
147	22 Feb 66	2245	Arcas	Chute	Arcasonde 1A	6200-2450	5800-2475
149	23 Feb 66	1300	Arcas	Chute	Arcasonde 1A	6325-2450	5500-2450
163	24 Feb 66	1245	Arcas	Chute	Arcasonde 1A	4750-2450	5750-2475
166	25 Feb 66	1245	Arcas	Chute	Arcasonde 1A	6500-2450	5700-2450
172	25 Feb 66	2245	Arcas	Chute	Arcasonde 1A	3425-2450	5500-2450
174	26 Feb 66	0045	Arcas	Chute	N/A	N/A	5900-2425
175	26 Feb 66	0245	Arcas	Chute	N/A	N/A	5800-2400
177	26 Feb 66	1850	Arcas	Chute	Arcasonde 1A	6325-2450	5800-2475
179	27 Feb 66	1845	Arcas	Chute	Arcasonde 1A	6279-2438	5791-2469
181	28 Feb 66	0630	Arcas	Chute	Arcasonde 1A	5225-2450	5700-2475
183	28 Feb 66	1500	Arcas	Chute	Arcasonde 1A	6625-2450	5825-2475

METEOROLOGICAL ROCKET NETWORK SUMMARY

Page No.	Date GCT	Time GCT	Type Rocket	Wind Sensor	Temperature Sensor	Temp Track (10^1 M MSL)	Wind Track (10^1 M MSL)
AFETR, CAPE KENNEDY, FLORIDA					Lat 28° 27'N Long. 80° 32'W		
9	1 Feb 66	1541	Judi	N/A	Experimental	3900-2400	N/A
44	7 Feb 66	1504	Arcas	Chute	Arcasonde 1A	5900-2400	5822-2347
51	8 Feb 66	1641	Loki	Chute	N/A	N/A	4572-2377
57	8 Feb 66	2307	Arcas	Chute	N/A	N/A	4115-3231
58	9 Feb 66	0000	Arcas	Chute	Arcasonde 1A	5800-2400	5486-2316
61	9 Feb 66	1500	Arcas	Chute	Arcasonde 1A	5000-2400	4877-2377
67	10 Feb 66	0120	Arcas	Chute	Arcasonde 1A	4000-2500	3962-2286
77	10 Feb 66	1500	Loki	Chute	Experimental	4900-2400	4724-2377
93	11 Feb 66	1857	Judi	Chute	Experimental	5000-2400	4846-2438
98	14 Feb 66	1500	Arcas	Chute	Arcasonde 1A	5500-2400	5364-2347
109	16 Feb 66	1629	Arcas	Chute	Arcasonde 1A	4600-2400	5334-2377
116	17 Feb 66	1500	Judi	Chute	N/A	N/A	4907-2316
133	19 Feb 66	1312	Arcas	Chute	Arcasonde 1A	5000-2408	5364-2377
135	20 Feb 66	1300	Arcas	Chute	Arcasonde 1A	5000-2400	5639-2377
139	21 Feb 66	1300	Arcas	Chute	Arcasonde 1A	5100-2400	5151-2438
145	22 Feb 66	1300	Arcas	Chute	Arcasonde 1A	5600-2400	5500-2350
148	22 Feb 66	2255	Arcas	Chute	Arcasonde 1A	3500-2408	4572-2408
152	23 Feb 66	1557	Judi	Chute	N/A	N/A	4542-2347
164	24 Feb 66	1245	Arcas	Chute	Arcasonde 1A	5400-2400	5625-2350
167	25 Feb 66	1321	Arcas	Chute	N/A	N/A	5090-2408
168	25 Feb 66	1430	Arcas	Chute	Arcasonde 1A	5100-2408	5525-2350
173	25 Feb 66	2245	Arcas	Chute	Arcasonde 1A	5000-2400	5730-2377
176	26 Feb 66	1712	Arcas	Chute	Arcasonde 1A	5200-2400	4775-2375
AFETR, GRAND TURK ISLAND AAFB					Lat. 21° 26'N Long. 71° 09'W		
32	4 Feb 66	1415	Arcas	Chute	Arcasonde 1A	6000-2400	5822-2438
46	7 Feb 66	1705	Arcas	Chute	Arcasonde 1A	4900-2400	4999-2469
100	14 Feb 66	1600	Arcas	Chute	Arcasonde 1A	4300-2400	4328-2469
128	18 Feb 66	1835	Arcas	Chute	Arcasonde 1A	4475-2475	4525-2475
142	21 Feb 66	1500	Arcas	Chute	Arcasonde 1A	5700-2408	5639-5121
HARP, SEAWELL, WEST INDIES					Lat. 13° 06'N Long. 59° 37'W		
19	2 Feb 66	1735	Gun Probe	Chute	N/A	N/A	5290-2146
45	7 Feb 66	1600	Gun Probe	Chute	N/A	N/A	4644-1975
90	11 Feb 66	1600	Gun Probe	Chute	N/A	N/A	4895-2004

METEOROLOGICAL ROCKET NETWORK SUMMARY

Page No.	Date GCT	Time GCT	Type Rocket	Wind Sensor	Temperature Sensor	Temp Track (10^1 M MSL)	Wind Track (10^1 M MSL)
HARP, SEAWELL, WEST INDIES (continued)					Lat. 13° 06'N	Long. 59° 37'W	
110	16 Feb 66	1700	Gun Probe	Chute	N/A	N/A	5872-2041
137	20 Feb 66	2153	Gun Probe	Chute	N/A	N/A	5166-2217
158	23 Feb 66	2238	Gun Probe	Chute	N/A	N/A	5890-2257
161	24 Feb 66	0323	Gun Probe	Chute	N/A	N/A	5119-2474
162	24 Feb 66	0616	Gun Probe	Chute	N/A	N/A	4580-1689
165	24 Feb 66	1600	Gun Probe	Chute	N/A	N/A	5227-2234
170	25 Feb 66	1600	Gun Probe	Chute	N/A	N/A	4836-1995
FORT CHURCHILL, CANADA					Lat. 58° 44'N	Long. 93° 49'W	
8	1 Feb 66	0800	Arcas	Chute	Arcasonde 1A	6560-1820	5474-1842
12	2 Feb 66	0300	Arcas	Chute	Arcasonde 1A	5590-2240	5590-2240
21	2 Feb 66	2100	Arcas	Chute	Arcasonde 1A	6714-2250	5100-2311
39	5 Feb 66	0101	Arcas	Chute	Arcasonde 1A	5170-2267	4821-2306
65	9 Feb 66	2112	Arcas	Chute	Arcasonde 1A	5880-2400	4476-2357
73	10 Feb 66	0809	Arcas	Chute	Arcasonde 1A	6760-2403	4976-2312
78	10 Feb 66	1900	Arcas	Chute	Arcasonde 1A	6845-2395	5120-2343
FORT GREELY, ALASKA					Lat. 64° 00'N	Long. 145° 44'W	
20	2 Feb 66	2017	Arcas	Chute	Arcasonde 1A	6115-1800	5588-1824
26	3 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5420-1930	5332-1875
38	4 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5815-1840	5451-1872
40	5 Feb 66	2000	Arcas	Chute	Arcasonde 1A	4870-1850	4397-1875
41	6 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5550-4350	5517-1886
49	8 Feb 66	0030	Arcas	Chute	N/A	N/A	5881-1654
55	8 Feb 66	2000	Arcas	Chute	Arcasonde 1A	6115-1845	5577-1882
81	10 Feb 66	2000	Arcas	Chute	Arcasonde 1A	6300-1850	5599-1881
94	11 Feb 66	2012	Arcas	Chute	Arcasonde 1A	5494-2211	5400-1852
103	14 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5600-3865	5447-1808
105	15 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5025-1760	4813-1797
113	16 Feb 66	2000	Arcas	Chute	Arcasonde 1A	6050-1840	5675-1930
119	17 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5875-1820	5376-1852
131	18 Feb 66	2034	Arcas	Chute	N/A	N/A	3608-1831
134	19 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5600-2140	5476-1886
136	20 Feb 66	2000	Arcas	Chute	N/A	N/A	5551-1891

METEOROLOGICAL ROCKET NETWORK SUMMARY

Page No.	Date GCT	Time GCT	Type Rocket	Wind Sensor	Temperature Sensor	Temp Track (10^1 M MSL)	Wind Track (10^1 M MSL)
FORT GREELY, ALASKA (continued)					Lat. 64° 00'N Long. 145° 44'W		
146	22 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5625-1820	5460-1854
156	23 Feb 66	2000	Arcas	Chute	Arcasonde 1A	6235-1840	4769-1944
178	26 Feb 66	2000	Arcas	Chute	Arcasonde 1A	5760-1770	5448-1805
180	27 Feb 66	2000	Arcas	Chute	Arcasonde 1A	6205-1825	5361-1860
186	28 Feb 66	2230	Arcas	Chute	Arcasonde 1A	3105-1775	5652-1807
GREEN RIVER, UTAH					Lat. 38° 56'N Long. 110° 04'W		
29	3 Feb 66	2300	Loki Dart	Chaff	N/A	N/A	6011-1785
30	4 Feb 66	0705	Loki Dart	Chaff	N/A	N/A	5963-1632
82	10 Feb 66	2300	Loki Dart	Chaff	N/A	N/A	6453-1946
121	18 Feb 66	0045	Loki Dart	Chaff	N/A	N/A	6047-1996
122	18 Feb 66	0535	Loki Dart	Chaff	N/A	N/A	6501-1984
KINDLEY AIR FORCE BASE, BERMUDA					Lat. 32° 21'N Long. 64° 39'W		
69	10 Feb 66	0446	Arcas	Chute	Arcasonde 1A	4572-2088	4500-1900
70	10 Feb 66	0606	Arcas	Sphere	N/A	N/A	5400-2200
72	10 Feb 66	0734	Arcas	Chute	Arcasonde 1A	4871-1814	4700-1900
74	10 Feb 66	0843	Arcas	Sphere	N/A	N/A	4300-2500
84	11 Feb 66	0008	Arcas	Sphere	N/A	N/A	5800-3300
85	11 Feb 66	0114	Arcas	Chute	Arcasonde 1A	5474-2100	5200-1900
86	11 Feb 66	0214	Arcas	Sphere	N/A	N/A	6100-3200
88	11 Feb 66	0311	Arcas	Sphere	N/A	N/A	5800-2600
95	11 Feb 66	2211	Arcas	Chute	Arcasonde 1A	5041-2164	4900-1900
96	11 Feb 66	2319	Arcas	Chute	N/A	N/A	4700-2200
PMR, BARKING SANDS (KAUAI), HAWAII					Lat. 22° 03'N Long. 159° 47'W		
50	8 Feb 66	0715	Arcas	Chute	Delta	4750-1680	4430-1730
66	10 Feb 66	0014	Arcas	Chute	Delta	5150-1820	5160-1880
104	15 Feb 66	0023	Judi	Chaff	N/A	N/A	5490-2280

METEOROLOGICAL ROCKET NETWORK SUMMARY

Page No.	Date GCT	Time GCT	Type Rocket	Wind Sensor	Temperature Sensor	Temp Track (10^1 M MSL)	Wind Track (10^1 M MSL)
PMR, BARKING SANDS (KAUAI), HAWAII(continued)					Lat. 22° 03'N Long. 159° 47'W		
114	17 Feb 66	0002	Arcas	Chute	Arcasonde 1A	5520-1830	5220-1880
129	18 Feb 66	1920	Judi	Chaff	N/A	N/A	6330-1900
157	23 Feb 66	2022	Arcas	Chute	Arcasonde 1A	5490-1800	5280-1860
PMR, KWAJALEIN, MARSHALL ISLANDS					Lat. 08° 44'N Long. 167° 44'E		
23	3 Feb 66	0009	Judi	Chaff	N/A	N/A	5800-2200
115	17 Feb 66	0032	Judi	Chaff	N/A	N/A	5700-2500
160	24 Feb 66	0006	Judi	Chaff	N/A	N/A	5400-3000
				Second Addendum			
1	15 Dec 65	0333	Judi	Chaff	N/A	N/A	3900-3300
2	15 Jan 66	0000	Judi	Chaff	N/A	N/A	5600-3000
3	27 Jan 66	0000	Judi	Chaff	N/A	N/A	6100-2400
PMR, POINT MUGU, CALIFORNIA					Lat. 34° 07'N Long. 119° 07'W		
18	2 Feb 66	1730	Arcas	Sphere	N/A	N/A	5128-2605
28	3 Feb 66	2200	Judi	Chute	Hasp Inst.	5197-1999	5679-1782
36	4 Feb 66	1725	Hasp III	Chute	Hasp Inst.	5273-1987	5548-1960
47	7 Feb 66	1800	Judi	Chaff	N/A	N/A	6411-2511
52	8 Feb 66	1732	Judi	Chute	Hasp Inst.	5005-1676	5243-1840
75	10 Feb 66	1017	Arcas	Chute	Arcasonde 1A	6157-1942	5365-1807
102	14 Feb 66	1827	Judi	Chaff	N/A	N/A	6201-2487
117	17 Feb 66	1651	Judi	Chaff	N/A	N/A	6298-2999
125	18 Feb 66	1720	Judi	Chaff	N/A	N/A	6381-2727
132	19 Feb 66	1055	Arcas	Chute	Arcasonde 1A	5514-2064	5701-1798
159	23 Feb 66	2320	Arcas	Chute	Arcasonde 1A	6114-1676	5731-1813
184	28 Feb 66	1651	Judi	Chaff	N/A	N/A	5000-1831
SHIP SIERRA					Lat. 26° 36'N Long. 63° 30'W		
76	10 Feb 66	1059	Arcas	Chute	Arcasonde IIA	5300-2450	5000-2550

METEOROLOGICAL ROCKET NETWORK SUMMARY

Page No.	Date GCT	Time GCT	Type Rocket	Wind Sensor	Temperature Sensor	Temp Track (10^1 M MSL)	Wind Track (10^1 M MSL)
WALLOPS ISLAND, VIRGINIA					Lat. 37° 50'N Long. 75° 29'W		
11	1 Feb 66	2211	Arcas	Chute	N/A	N/A	4900-2800
25	3 Feb 66	1959	Judi	Chaff	N/A	N/A	6000-3000
34	4 Feb 66	1526	Hasp II	Chaff	N/A	N/A	5300-2900
53	8 Feb 66	1816	Gun Probe	Chute	N/A	N/A	5600-1900
54	8 Feb 66	1958	Gun Probe	Chute	N/A	N/A	5653-2560
63	9 Feb 66	1541	Hasp II	Chaff	N/A	N/A	5000-3000
71	10 Feb 66	0654	Judi	Chute	Hasp Inst.	4900-2252	4800-2300
80	10 Feb 66	1915	Hasp III	Chute	Hasp Inst.	3978-1996	3900-1800
91	11 Feb 66	1713	Hasp II	Chaff	N/A	N/A	5200-2100
118	17 Feb 66	1815	Judi	Chaff	N/A	N/A	6200-2500
130	18 Feb 66	1950	Hasp II	Chaff	N/A	N/A	5200-2900
151	23 Feb 66	1504	Hasp II	Chaff	N/A	N/A	5100-3400
155	23 Feb 66	1817	Judi	Sphere	N/A	N/A	5200-3400
171	25 Feb 66	1941	Judi	Chaff	N/A	N/A	5400-3800
WHITE SANDS MISSILE RANGE, NEW MEXICO					Lat. 32° 23'N Long. 106° 29'W		
10	1 Feb 66	2115	Sirocco	Chute	N/A	N/A	5991-1943
13	2 Feb 66	0500	Arcas	Chute	N/A	N/A	5300-1714
16	2 Feb 66	1545	Arcas	Chute	Arcasonde 1A	5947-1719	6714-2260
17	2 Feb 66	1600	Loki Dart	Chaff	N/A	N/A	7035-4039
22	2 Feb 66	2115	Arcas	Chute	Delta(T.F.)	5464-1757	5376-1599
24	3 Feb 66	1600	Sirocco	Chute	Arcasonde 1A	4520-1506	4935-2490
27	3 Feb 66	2000	Arcas	Chute	N/A	N/A	5600-2300
31	4 Feb 66	0705	Arcas	Chute	Arcasonde 1A	5496-1667	5803-2019
37	4 Feb 66	1805	Loki Dart	Chaff	N/A	N/A	6432-2189
48	7 Feb 66	2219	Loki Dart	Chaff	N/A	N/A	6488-1975
64	9 Feb 66	1801	Arcas	Chute	Arcasonde 1A	6497-1646	6514-2719
79	10 Feb 66	1900	Arcas	Chute	Arcasonde 1A	4892-1807	5255-1676
92	11 Feb 66	1811	Loki Dart	Chaff	N/A	N/A	7010-4080
101	14 Feb 66	1730	Arcas	Chute	Arcasonde 1A	6209-1728	5677-1736
106	15 Feb 66	2000	Loki Dart	Chute	N/A	N/A	5400-2400
108	16 Feb 66	1545	Arcas	Chute	N/A	N/A	6056-2200
111	16 Feb 66	1800	Arcas	Chute	N/A	N/A	5267-1806

METEOROLOGICAL ROCKET NETWORK SUMMARY

Page No.	Date GCT	Time GCT	Type Rocket	Wind Sensor	Temperature Sensor	Temp Track (10^1 M MSL)	Wind Track (10^1 M MSL)
WHITE SANDS MISSILE RANGE, NEW MEXICO (continued)						Lat. 32° 23'N	Long. 106° 29'W
112	16 Feb 66	1805	Loki Dart	Chaff	N/A	N/A	6433-3408
120	17 Feb 66	2104	Loki Dart	Chute	N/A	N/A	4114-1563
124	18 Feb 66	1500	Loki Dart	Chute	N/A	N/A	4200-1800
126	18 Feb 66	1800	Arcas	Chute	Arcasonde 1A	6188-1856	6900-2400
127	18 Feb 66	1805	Loki Dart	Chaff	N/A	N/A	6895-4139
143	21 Feb 66	1530	Loki Dart	Chaff	N/A	N/A	6303-1675
153	23 Feb 66	1800	Arcas	Chute	Arcasonde 1A	5949-1682	6013-2003
154	23 Feb 66	1805	Loki Dart	Chaff	N/A	N/A	6599-5471
185	28 Feb 66	1800	Loki Dart	Chaff	N/A	N/A	6082-2573

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
15901	FORT CHURCHILL, CANADA	66 02 01	0800	-05	01	02	12			04			2991	2991	1

ROCKET WINDS

FV	A MSL	COMP	WNDS
116	5474	+024	+064
096	5156	+021	+061
085	4884	+028	+068
064	4563	+008	+039
051	4217	-003	+037
040	3944	-007	+022
032	3729	-010	+020
029	3547	-011	+005
023	3392	-029	+006
023	3255	-032	+014
019	3132	-032	+011
016	3028	-025	+013
014	2937	-024	+008
014	2852	-024	+008
015	2767	-028	+007
011	2689	-025	+005
010	2625	-022	+006
010	2565	-023	+007
010	2475	-024	+009
008	2365	-022	+010
007	2273	-021	+010
006	2196	-017	+009
007	2118	-014	+008
007	2035	-018	+007
007	1954	-016	+009
004	1887	-012	+005
003	1842	-013	+008

THERMODYNAMICS

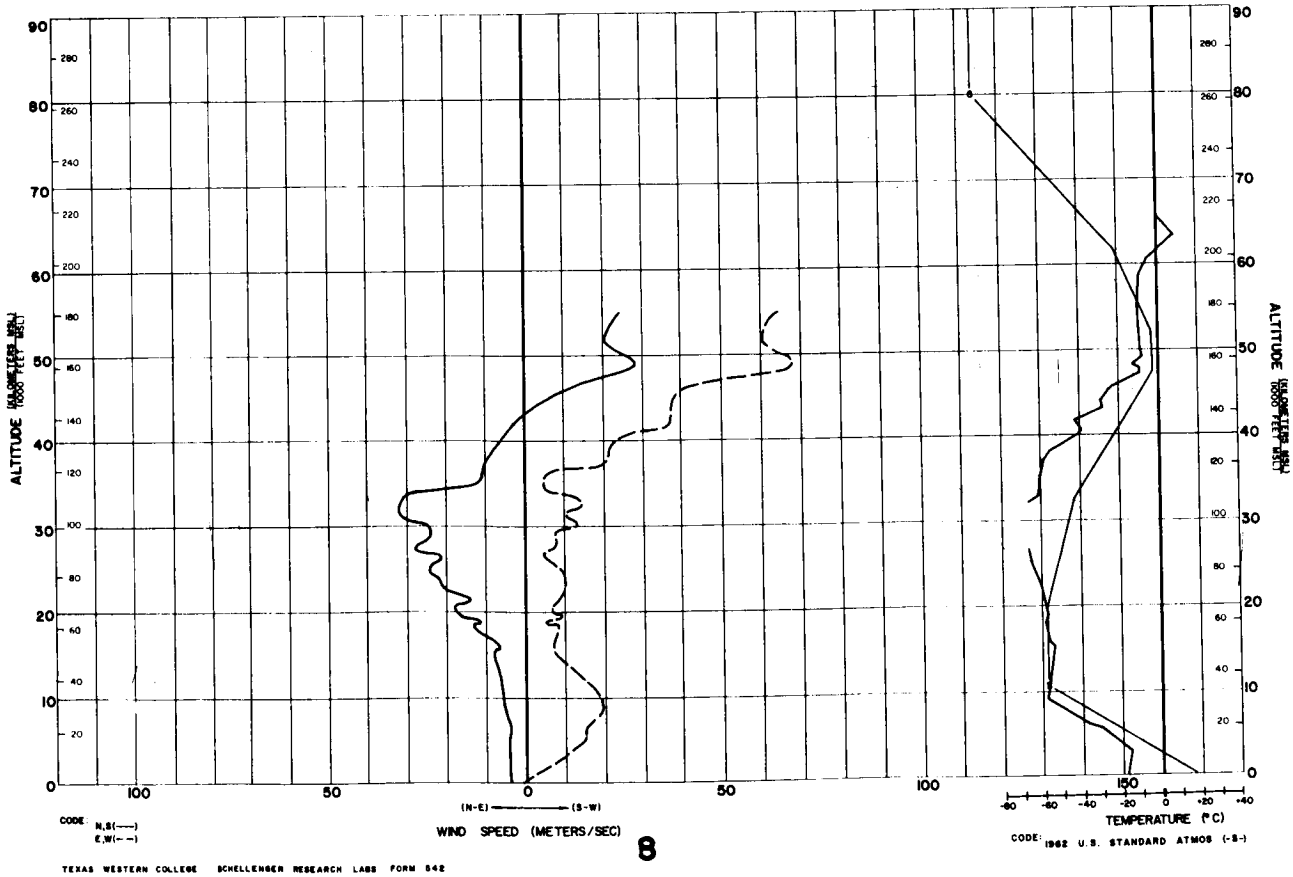
A MSL	TDC	PMB	D	SOS
6560	+00.1	00.076	00.097	331
6332	+08.0	00.101	00.124	336
6065	-05.0	00.139	00.181	328
6000	-06.3	00.151	00.197	327
5848	-09.4	00.183	00.241	326
5695	-09.5	00.287	00.379	326
5000	-08.3	00.539	00.708	326
4910	-07.8	00.604	00.792	327
4825	-12.5	00.673	00.899	324
4770	-08.7	00.723	00.951	326
4714	-08.9	00.776	01.022	326
4550	-23.6	00.962	01.342	317
4500	-24.8	01.029	01.443	316
4388	-28.5	01.200	01.708	314
4300	-27.7	01.354	01.921	314
4170	-41.8	01.627	02.450	305
4060	-38.8	01.908	02.836	307
4010	-41.3	02.051	03.082	305
3800	-55.5	02.812	04.500	296
3700	-58.6	03.287	05.337	294
3504	-59.7	04.479	07.310	293
3280	-61.3	06.395	10.517	292
3200	-67.2	07.280	12.314	288
2991				
2682	-67.2	17.056	28.849	288
2500	-65.0	22.974	38.449	289
2230	-60.0	35.481	57.989	293
2075	-59.3	45.393	73.946	293
1915	-56.9	58.437	94.138	295
1820	-57.5			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0041.0	2134				-62.2
0066.9	1829	-014	+007		-57.4
0107.8	1524	-008	+007		-54.0
0174.0	1219	-007	+014	38	-55.0
0284.0	0914	-006	+019	41	-57.5
0448.0	0610	-004	+015	38	-37.6
0682.4	0305			33	-17.0
1019.0	0001	-004	-001	71	-17.2
0050.0	2128				-59.7
0100.0	1574	-007	+007		-55.7
0500.0	0532	-004	+015	35	-31.4
0700.0	0286			33	-16.0



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 01	1541	-04	03	00	99								1

ROCKET WINDS

FV	A MSL	COMP	WNDS

THERMODYNAMICS

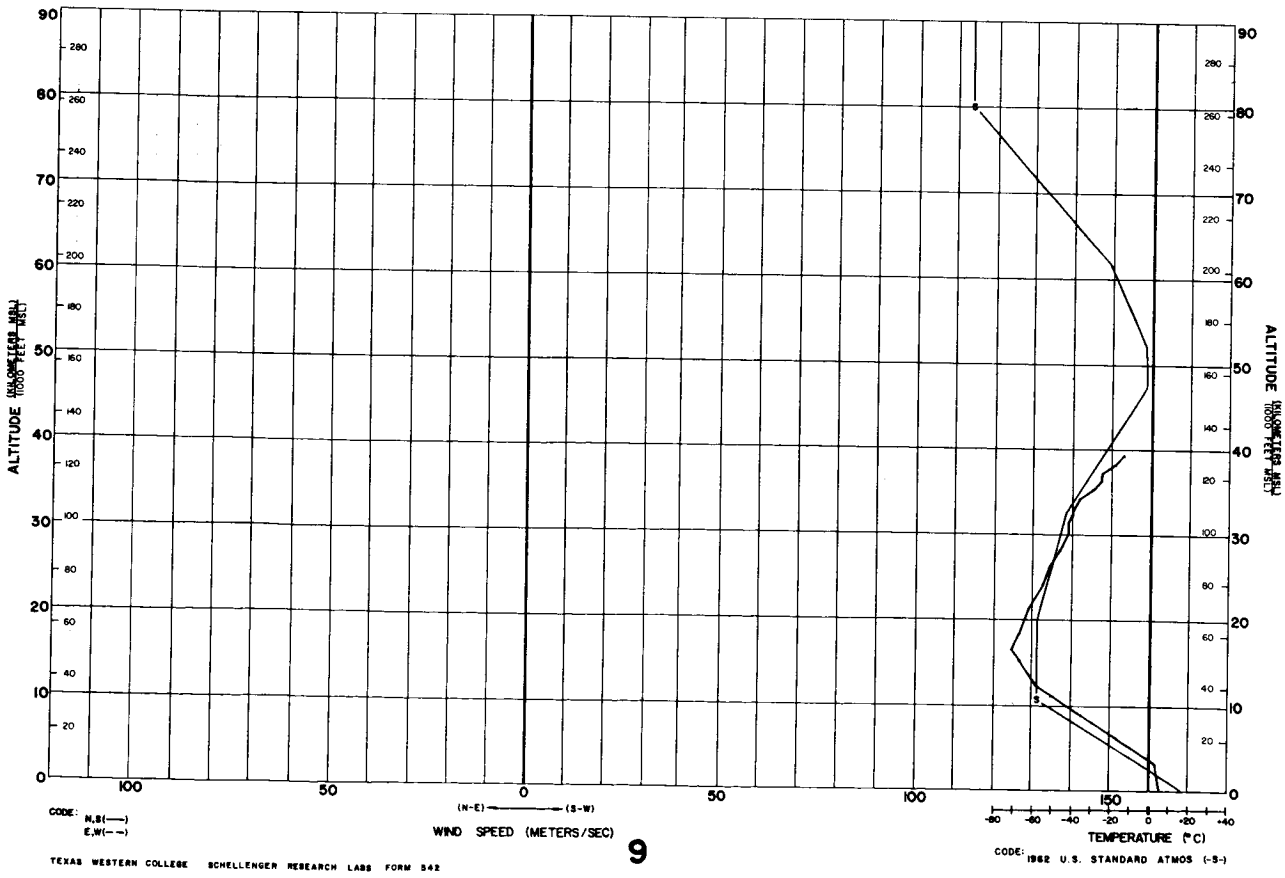
A MSL	TDC	PMB	D	SOS
3900	-13.0	03.347	04.482	324
3800	-17.9	03.814	05.205	321
3700	-24.2	04.359	06.100	317
3600	-24.6	04.991	06.996	316
3500	-29.1	05.723	08.169	314
3400	-36.4	06.584	09.688	309
3300	-39.0	07.598	11.304	307
3200	-40.0	08.777	13.115	306
3100	-42.4	10.152	15.327	305
3000	-42.2	11.750	17.724	305
2800	-46.0	15.767	24.182	302
2600	-52.4	21.305	33.623	298
2400	-54.9	29.010	46.307	297

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.8	3050				-44.9
0013.5	2900	+009	+024		-46.6
0016.9	2750	+004	+030		-48.6
0021.3	2600	-005	+009		-52.9
0026.8	2450	-006	+001		-54.7
0045.0	2125	-001	+017		-61.5
0073.0	1825				-67.4
0120.5	1525				-67.9
0195.8	1225	+000	+073	39	-57.7
0308.5	0925	+012	+048	60	-36.2
0483.4	0600	+008	+024	27	-16.0
0708.2	0300	+012	+010	26	+03.6
1020.0	0000	-001	+001	82	+06.0
0050.0	2048	+005	+025		-63.0
0100.0	1629				-70.8
0500.0	0873	+007	+023	25	-14.2
0700.0	0309	+012	+011	26	+03.1



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 01	2115	-03	17	02	00								3

ROCKET WINDS

FV	A MSL	COMP	WNDS
119	5991	+017	+036
106	5900	+013	+043
104	5800	+022	+038
104	5700	+035	+031
105	5600	+017	+036
111	5500	+020	+032
108	5400	+024	+031
114	5300	+048	+021
108	5200	+030	+044
099	5100	+031	+047
090	5000	+025	+065
068	4900	+014	+056
074	4800	+006	+051
069	4700	+019	+033
067	4600	+020	+030
065	4500	+011	+023
056	4400	+004	+029
044	4300	+036	+037
040	4235	+072	+027
040	4200	+054	+030
041	4100	+038	+026
041	4000	+033	+043
044	3900	+024	+047
034	3800	+007	+063
032	3700	+011	+063
029	3600	-002	+074
026	3500	+014	+074
025	3400	+001	+068
022	3300	+012	+047
020	3200	+005	+042
018	3100	+014	+036
017	3000	+011	+033
014	2800	-005	+011
011	2600	+001	+005
009	2400	-006	+005
008	2200	-001	+002
006	2000	+002	+006
006	1943	+000	+004

THERMODYNAMICS

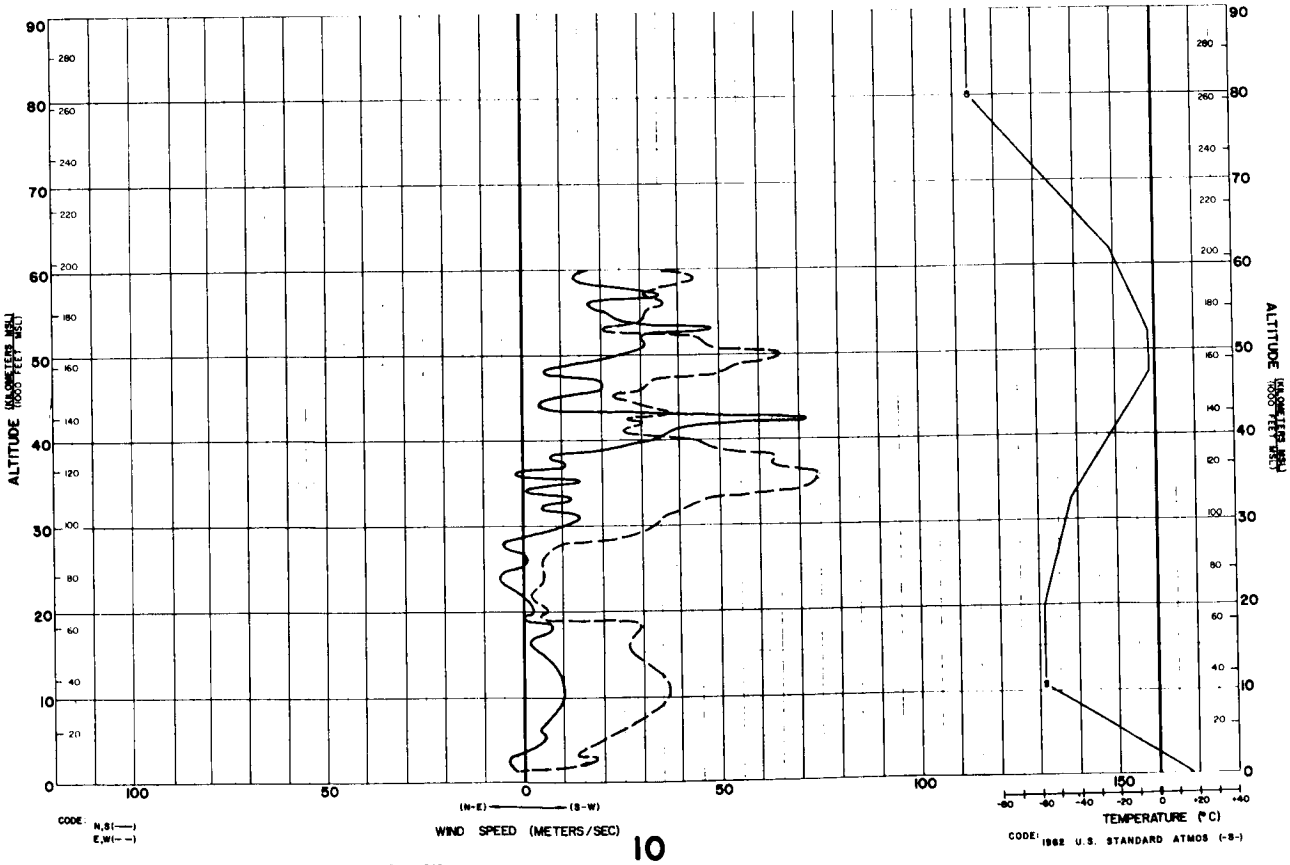
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0027.5	2438				-58.0
0044.6	2134	+005	+028		-61.1
0072.5	1829	+007	+029		-62.8
0117.8	1524	+003	+027		-59.5
0189.9	1219	+009	+035		-55.2
0303.2	0914	+009	+035	25	-45.7
0468.2	0610	+004	+024	92	-22.3
0698.4	0305	-002	+013	24	-06.4
0878.6	0122	-002	-001	41	+07.2
0050.0	2054	+006	+027		-61.8
0100.0	1622	+002	+027		-59.0
0500.0	0560	+005	+022	85	-20.2
0700.0	0303	-003	+018	23	-06.3

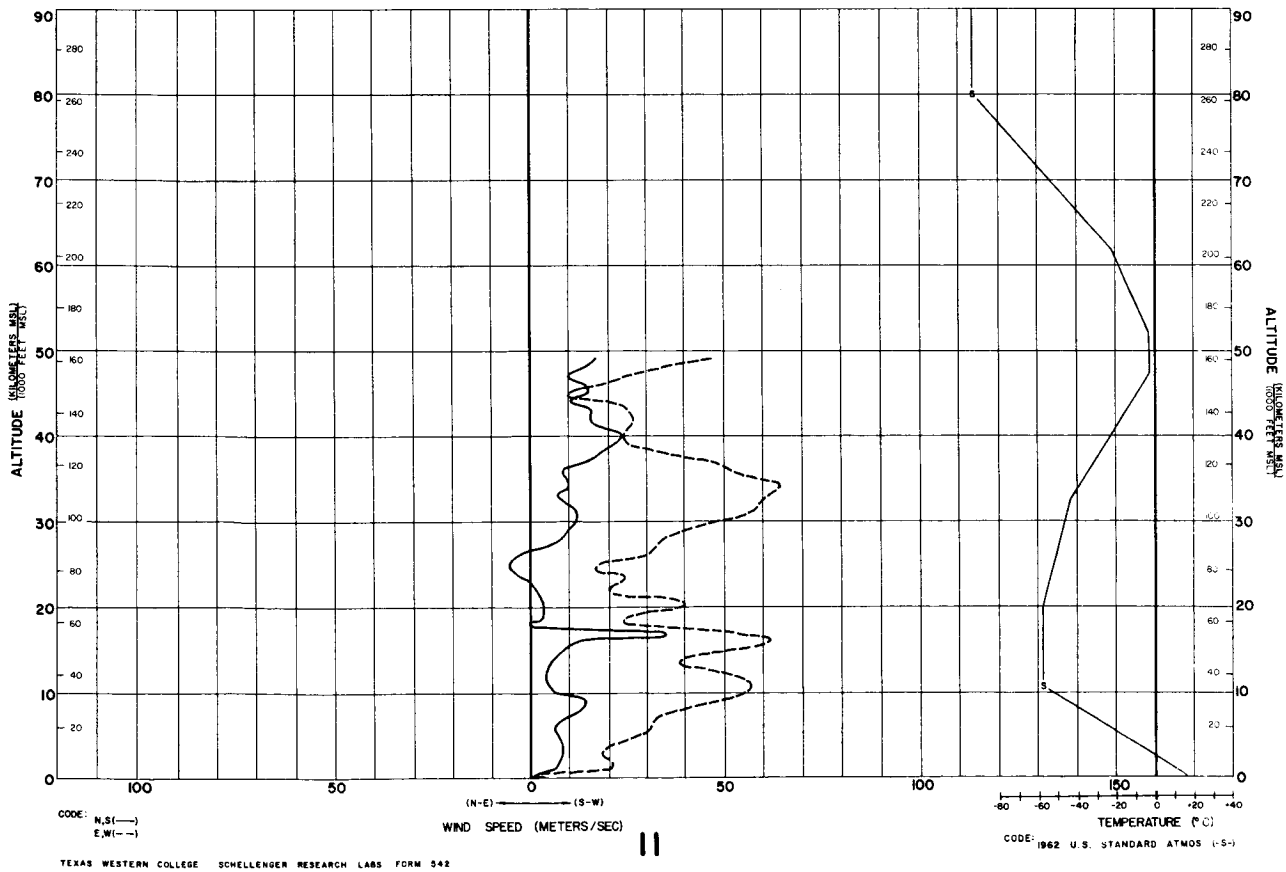


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 01	2211	+01	01	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
067	4900	+017	+047										0018.0	2674				-59.6
065	4800	+014	+035										0020.0	2609	-002	+031		-60.6
061	4700	+010	+025										0023.0	2520	-004	+020		-62.0
061	4600	+014	+018										0025.0	2469	-005	+017		-58.9
059	4500	+015	+011										0030.0	2354	-002	+024		-61.0
053	4400	+011	+019										0040.0	2175	+002	+020		-64.3
049	4300	+016	+025										0048.0	2063	+003	+038		-60.5
047	4200	+016	+027										0066.0	1865	+003	+024		-63.7
042	4100	+018	+026										0070.0	1828	+000	+024		-63.4
038	4000	+023	+024										0090.0	1671	+035	+054		-61.7
038	3900	+022	+025										1013.0	0000	+003	+001	69	-01.7
035	3800	+018	+033										0050.0	2037	+003	+040		-60.9
032	3700	+015	+046										0100.0	1606	+014	+062		-58.6
030	3600	+009	+051										0150.0	1350	+005	+039		-58.3
028	3500	+009	+056										0200.0	1166	+004	+054		-53.3
027	3400	+010	+064										0250.0	1024	+006	+056		-57.6
025	3300	+007	+062										0300.0	0907	+014	+049		-50.1
022	3200	+009	+059										0400.0	0712	+010	+033	68	-33.3
020	3100	+012	+057										0500.0	0551	+006	+031	81	-21.4
019	3000	+012	+048										0700.0	0294	+008	+018	94	-06.3
017	2900	+010	+041										0850.0	0140	+007	+021	74	+00.6
017	2800	+008	+035										1000.0	0011	+001	+001	47	-01.4



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
15901	FORT CHURCHILL, CANADA	66	02	02	0300	-06	01	02	12			05			5590	2240	1
99999	FORT CHURCHILL, CANADA	66	02	02	0300	-06						04			2810	2810	1

ROCKET WINDS

FV	A MSL	COMP	WNDS
133	5590	-009	+018
113	5250	-015	+014
090	4980	-020	+034
075	4530	-015	+035
055	4200	-013	+027
042	3950	-028	+010
038	3720	-030	+005
030	3540	-036	+013
027	3380	-028	+012
023	3240	-035	-002
018	3130	-030	-003
020	3010	-035	+002
020	2910	-033	+005
013	2830	-033	+012
012	2760	-032	+018
013	2680	-025	+015
012	2610	-028	+018
008	2560	-030	+012
011	2430	-020	+008
008	2330	-019	+009
008	2240	-018	+012

THERMODYNAMICS

A MSL	TDC
5590	+07.8
5250	+02.5
4980	-06.1
4530	-18.0
4200	-27.8
3950	-42.2
3720	-46.4
3540	-60.5
3380	-63.8
2810	
2240	-63.6

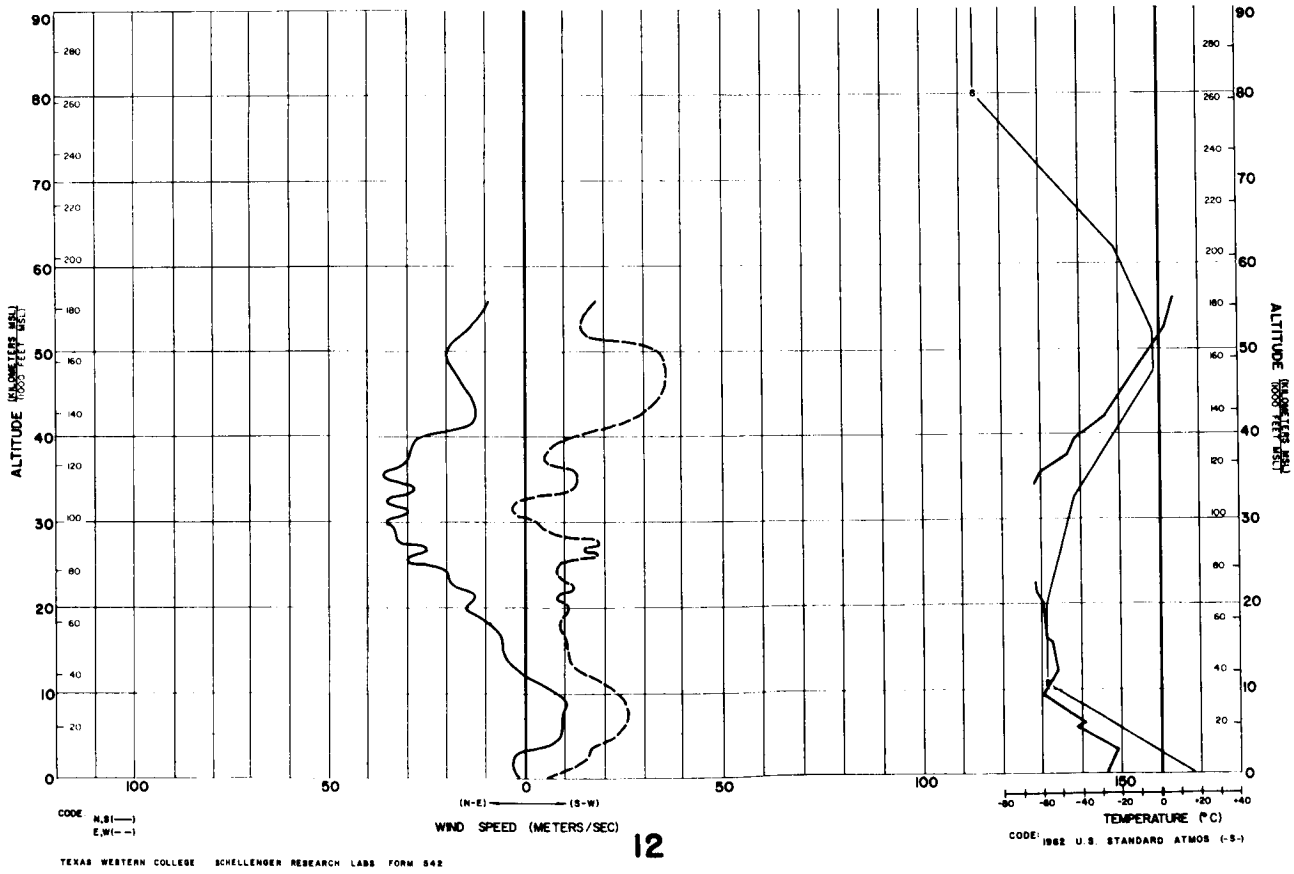
PMB D SOS

COMPOSITION

A MSL O ED LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0011.5	2896	-025	+016		-71.5
0014.7	2743	-023	+010		-71.8
0019.2	2591	-014	+008		-68.3
0024.5	2438	-021	+010		-67.5
0040.5	2134	-013	+008		-62.6
0066.1	1829	-009	+009		-58.5
0106.8	1524	-006	+011	75	-55.3
0171.9	1219	-001	+015	25	-52.5
0276.8	0914	+010	+025	56	-59.3
0441.0	0610	+009	+025	42	-38.5
0674.4	0305	-002	+016	38	-23.3
1021.0	0001	-002	+005	59	-28.7
0010.0	2974				-71.4
0050.0	2004	-015	+011		-58.8
0100.0	1569	-006	+011		-56.3
0500.0	0524	+009	+024	60	-43.9
0700.0	0278	-003	+016	37	-21.9

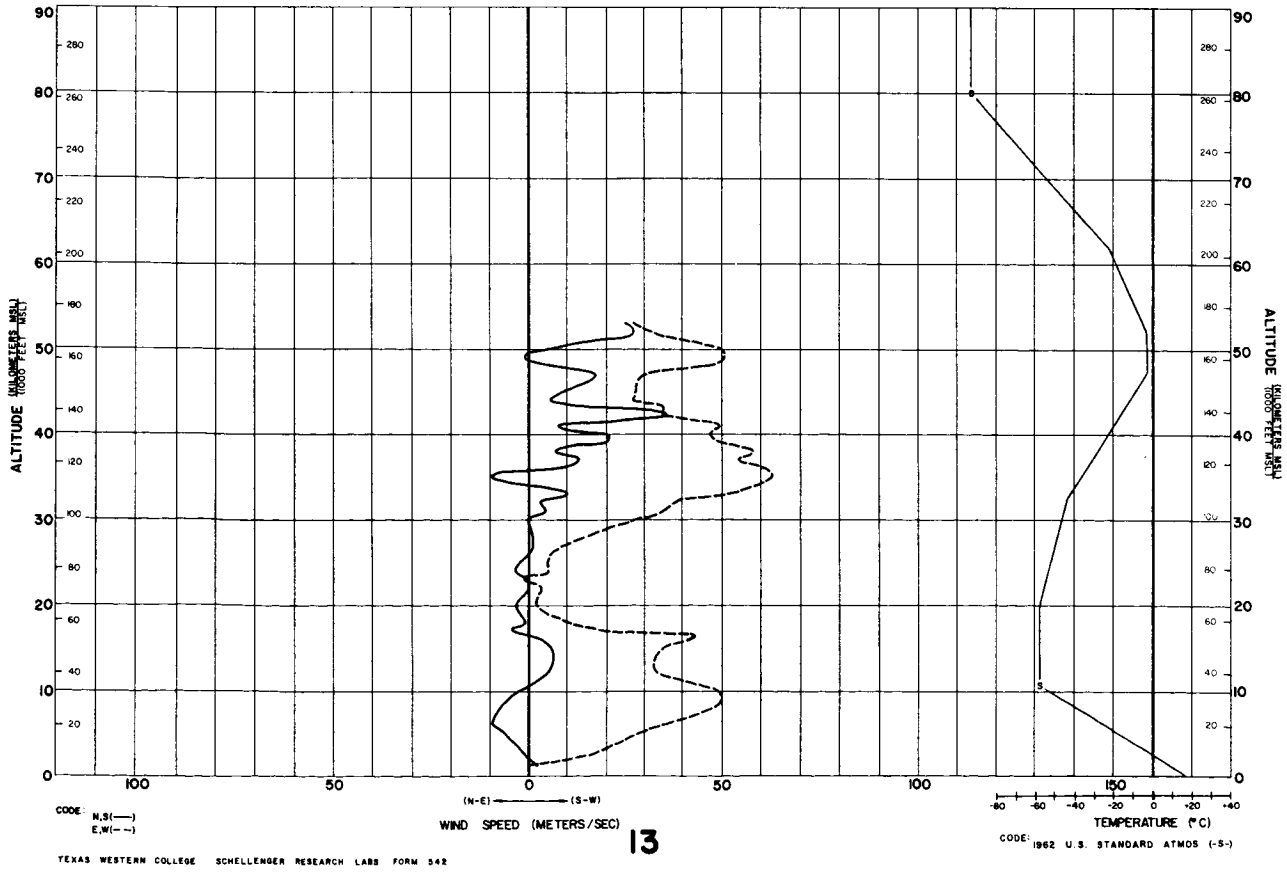


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 02	0500	+05	01	02	00								3

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
232	5300	+025	+027										0021.1	2591	-003	-003		-56.6
221	5200	+027	+032										0026.9	2438	+000	+012		-59.3
209	5100	+017	+041										0043.7	2134	-001	+001		-61.7
194	5000	+005	+050										0071.4	1829	+000	+007		-64.2
177	4900	-001	+051										0116.3	1524	+005	+038		-58.1
158	4800	+007	+045										0187.6	1219	+005	+033		-51.8
132	4700	+017	+030										0300.8	0914	-005	+050	03	-47.0
115	4600	+014	+028										0465.7	0610	-009	+037	44	-25.2
117	4500	+010	+028										0697.8	0305	-002	+019	82	-08.0
106	4400	+006	+027										0878.4	0122	+002	+000	77	-02.6
094	4300	+024	+035										0050.0	2043	-003	+011		-61.1
090	4237	+036	+035										0100.0	1615	+002	+043		-60.5
090	4200	+030	+039										0500.0	0557	-008	+032	33	-21.6
077	4100	+008	+049										0700.0	0302	-002	+019	82	-07.8
074	4000	+020	+047															
093	3900	+020	+049															
091	3800	+007	+058															
085	3700	+013	+054															
090	3600	+008	+060															
085	3500	-009	+063															
062	3400	-001	+059															
058	3300	+010	+052															
049	3200	+003	+039															
051	3100	+004	+035															
047	3000	+000	+028															
032	2800	+001	+014															
032	2600	+000	+006															
030	2400	-003	+005															
027	2323	-001	-001															
024	2200	+000	+003															
019	2000	-003	+002															
016	1800	-001	+010															
016	1714	-004	+019															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 02	1500	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
124	5700	-005	-002
116	5600	-003	-004
110	5500	+000	-001
102	5400	+001	+003
094	5300	-002	+011
088	5200	-008	+015
083	5100	-014	+014
079	5000	-015	+008
074	4900	-011	-001
069	4800	-007	-016
064	4700	-006	-039
060	4600	-001	-059
057	4500	+003	-068
053	4400	+006	-077
049	4300	+002	-078
045	4200	-002	-074
041	4100	-005	-070
038	4000	+000	-065
036	3900	+004	-058
033	3800	+002	-048
030	3700	+002	-040
027	3600	+000	-028
025	3500	+002	-016
023	3400	-001	-016
021	3300	-001	-009
020	3200	-004	-007
018	3100	-006	-006
017	3000	-005	-011
014	2800	-002	-018
011	2600	+005	-011
009	2475	+005	-024

THERMODYNAMICS

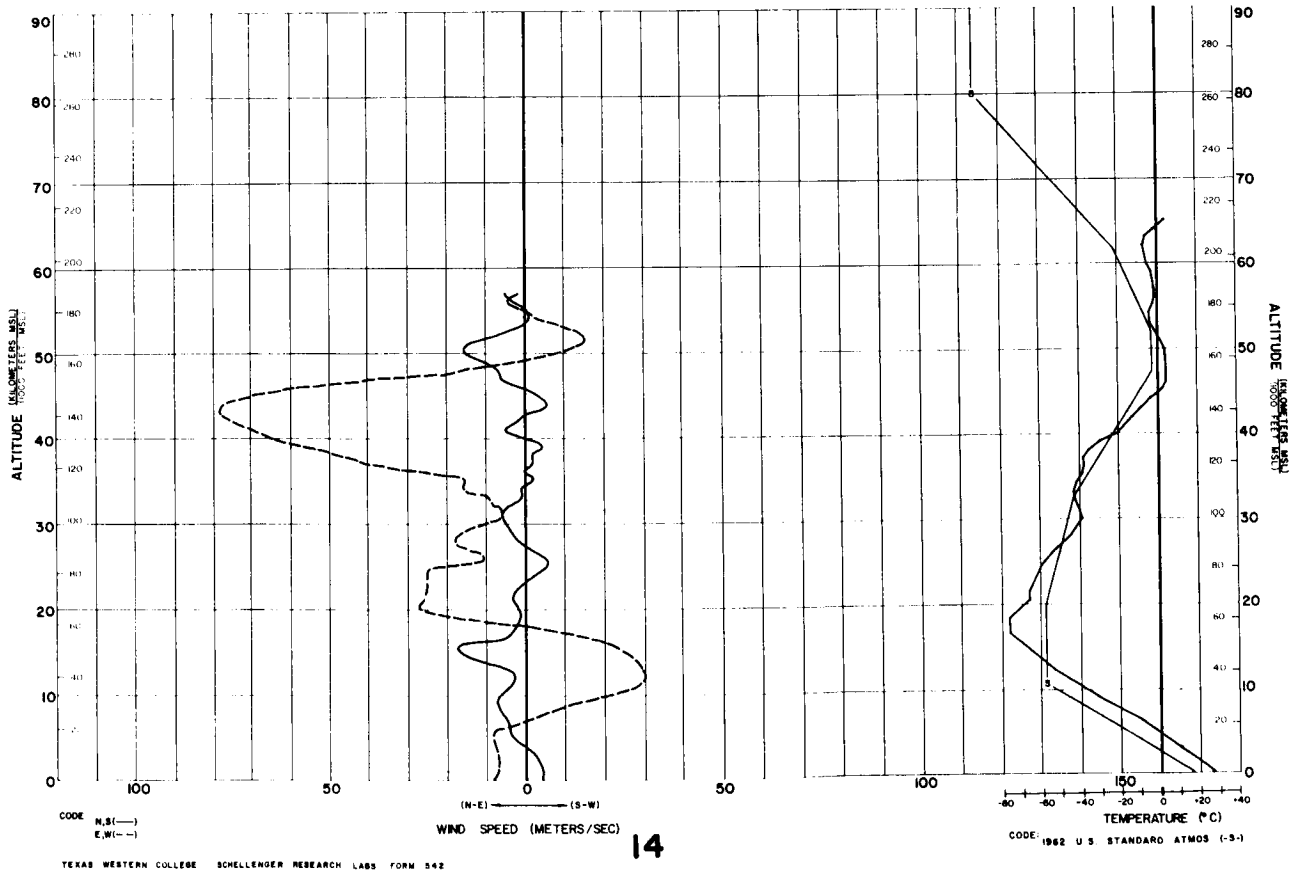
A MSL	TDC	PMB	D	SOS
6500	+04.3	00.127	00.162	334
6400	-01.8	00.144	00.183	331
6300	-05.5	00.163	00.212	328
6200	-07.2	00.184	00.240	327
6100	-06.0	00.209	00.272	328
6000	-04.5	00.236	00.306	329
5900	-03.0	00.267	00.344	330
5800	-01.9	00.303	00.390	331
5700	-01.4	00.342	00.439	331
5600	-01.1	00.387	00.496	331
5500	-02.1	00.438	00.563	330
5400	-03.9	00.496	00.641	329
5300	-03.3	00.561	00.725	330
5200	-01.3	00.635	00.816	331
5100	+00.6	00.718	00.912	332
5000	+02.6	00.811	01.024	333
4900	+04.2	00.915	01.151	334
4800	+04.0	01.033	01.299	334
4700	+03.7	01.166	01.467	334
4600	+03.5	01.317	01.658	334
4500	+01.7	01.488	01.891	333
4400	-03.5	01.685	02.183	330
4300	-08.4	01.912	02.522	327
4200	-12.7	02.174	02.909	324
4100	-15.9	02.476	03.348	322
4000	-21.2	02.828	03.914	319
3900	-28.8	03.240	04.635	314
3800	-34.6	03.727	05.452	310
3700	-37.7	04.297	06.358	308
3600	-36.8	04.957	07.321	309
3500	-39.2	05.723	08.528	307
3400	-41.5	06.612	09.959	305
3300	-43.1	07.654	11.594	304
3200	-42.0	08.858	13.348	305
3100	-40.2	10.246	15.342	306
3000	-39.4	11.834	17.627	307
2800	-45.2	15.830	24.225	303
2600	-54.0	21.437	34.070	297
2450	-58.8	27.069	44.016	294

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.8	3200	+005	-009		-42.8
0011.0	3048	-002	-012		-41.3
0013.8	2896	-005	-017		-44.2
0017.3	2743	+002	-021		-48.9
0021.8	2591	+001	-013		-52.3
0027.6	2438	+003	-032		-59.5
0045.0	2134	-003	-026		-65.5
0074.7	1829	-002	-006		-76.2
0126.1	1524	-017	+023		-70.0
0205.4	1219	-003	+030	14	-54.1
0323.0	0914	-007	+013	11	-31.5
0486.3	0610	-004	-004	18	-09.5
0709.6	0305	+002	-007	11	+10.7
1005.1	0008	+004	-008	69	+25.7
0010.0	3092	-005	-012		-41.7
0050.0	2058	-002	-027		-65.9
0100.0	1652	-006	+017		-76.0
0500.0	0586	-004	-007	16	-07.8
0700.0	0315	+002	-007	08	+10.3

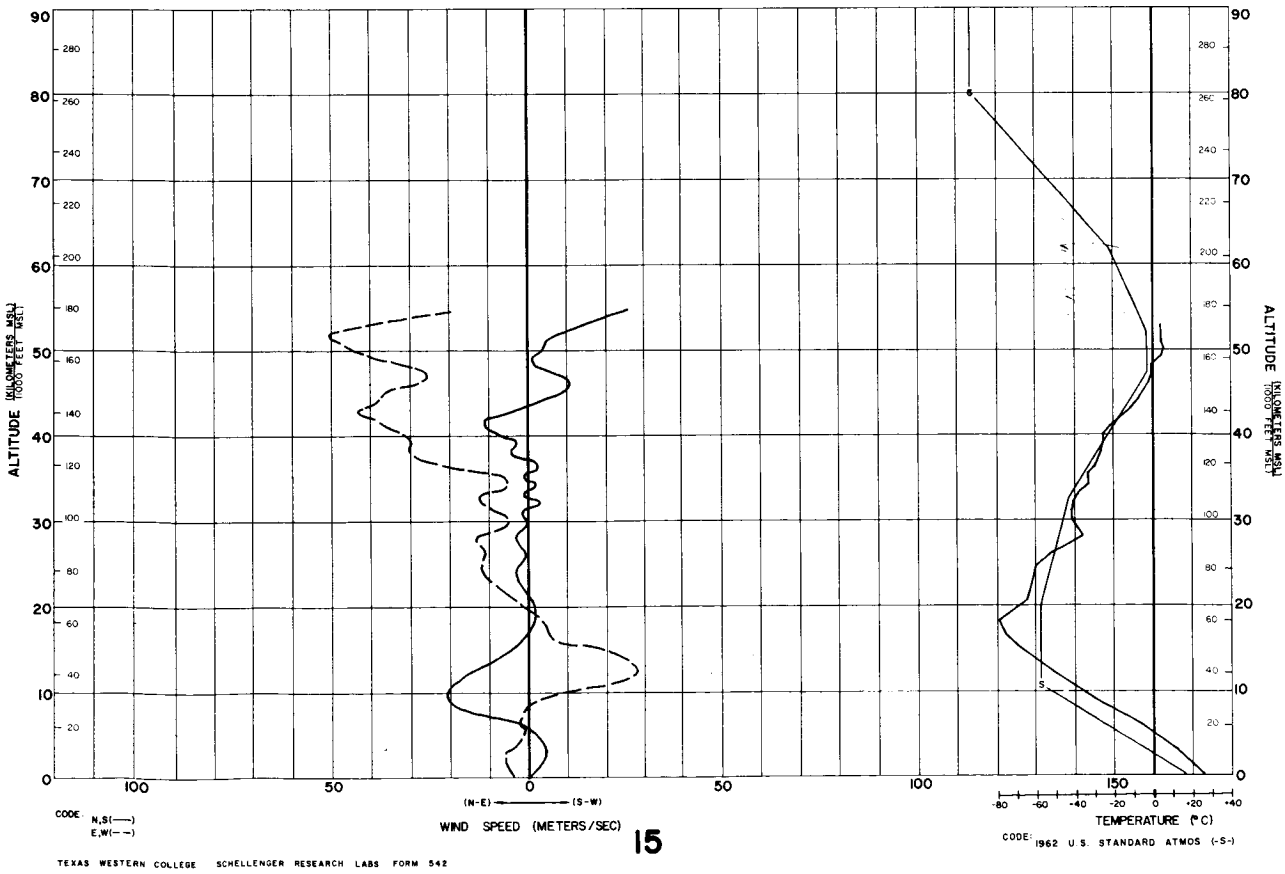


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE	TIME	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
		Y M D	Z												
11604	AFETR, ANTIGUA AFB	66 02 02	1525	-04	01	02	12			01			2800	2800	1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
097	5450	+026	-019	5275	+05.0	00.594	00.744	335					0011.1	3048	+002	-008		-44.7
097	5400	+021	-026	5200	+05.0	00.650	00.814	335					0013.9	2896	-005	-009		-45.6
093	5300	+014	-040	5100	+05.3	00.733	00.916	335					0017.4	2743	-010	-013		-45.7
090	5200	+008	-050	5000	+05.5	00.827	01.034	335					0021.8	2591	-005	-013		-52.5
085	5100	+005	-049	4900	+04.8	00.933	01.169	335					0027.7	2438	-003	-012		-60.8
076	5000	+003	-044	4800	-01.1	01.055	01.351	331					0045.1	2134	+000	-005		-63.7
073	4900	+001	-038	4700	-01.2	01.194	01.529	331					0074.9	1829	+001	+003		-79.4
069	4800	+002	-030	4600	-02.0	01.351	01.735	330					0127.0	1524	-003	+014		-71.0
064	4700	+008	-026	4500	-03.6	01.530	01.978	330					0207.3	1219	-015	+028	18	-51.5
060	4600	+011	-030	4400	-07.2	01.736	02.275	327					0324.4	0914	-021	+002	18	-30.8
056	4500	+009	-036	4300	-11.9	01.973	02.629	324					0487.0	0610	-001	-002	13	-07.0
051	4400	+003	-038	4200	-16.9	02.247	03.045	321					0709.8	0305	+004	-006	14	+11.5
047	4300	-003	-043	4100	-21.4	02.566	03.553	318					1015.0	0000	+000	-004	70	+25.3
042	4200	-011	-039	4000	-24.9	02.937	04.128	316					0010.0	3094				-44.8
039	4100	-011	-035	3900	-24.8	03.364	04.712	316					0050.0	2059	+001	-003		-65.0
037	4000	-007	-031	3800	-25.7	03.852	05.428	316					0100.0	1656	-001	+006		-76.7
034	3900	-003	-030	3700	-28.0	04.418	06.278	314					0500.0	0587	+000	-001	14	-06.6
032	3800	-004	-030	3600	-29.8	05.072	07.277	313					0700.0	0316	+004	-004	14	+10.7
030	3700	+000	-026	3500	-33.8	05.834	08.490	311										
027	3600	+002	-019	3400	-32.9	06.716	09.728	311										
025	3500	-001	-007	3300	-38.0	07.739	11.433	308										
023	3400	+002	-005	3200	-41.3	08.949	13.453	306										
021	3300	-001	-012	3100	-42.0	10.352	15.609	305										
020	3200	+003	-012	3000	-42.1	11.982	18.087	305										
018	3100	-001	-008	2800	-36.3	16.001	23.526	309										
016	3000	+000	-005	2600	-52.4	21.508	33.943	298										
013	2800	-003	-013	2450	-59.5	27.195	44.355	293										
011	2600	-001	-011															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 02	1545	-02	01	02	12								3

ROCKET WINDS

FV	A MSL	COMP	WNDS
190	6714	-010	+055
189	6695	-008	+053
184	6601	+001	+056
176	6493	+016	+044
170	6406	+021	+043
160	6307	+027	+031
152	6198	+030	+031
142	6094	+045	+025
133	5999	+040	+025
125	5896	+028	+028
117	5799	+021	+031
110	5698	+014	+028
104	5601	+009	+031
096	5502	+020	+025
092	5398	+022	+024
086	5300	+039	+019
079	5201	+039	+024
076	5100	+022	+035
075	5025	+015	+039
070	4872	+008	+049
067	4797	+006	+053
062	4700	+030	+039
057	4597	+015	+035
053	4499	+009	+037
050	4402	+015	+037
045	4302	+023	+047
042	4201	+006	+045
039	4100	+004	+044
035	3999	+010	+064
034	3901	+012	+064
032	3801	+011	+056
030	3700	+023	+055
028	3601	+004	+064
026	3499	-001	+062
024	3399	+017	+064
022	3300	+009	+043
019	3201	+007	+034
018	3101	+002	+032
016	3001	+008	+027
013	2800	+001	+015

THERMODYNAMICS

A MSL	TDC	PMB	D	SOS
5947	-14.9	00.255	00.343	322
5799	-04.2	00.307	00.398	329
5408	+03.4	00.497	00.626	333
5308	+05.1	00.561	00.702	334
5193	-01.5	00.646	00.828	330
5146	-01.5	00.685	00.878	330
4959	+13.6	00.858	01.042	339
4872	+15.5	00.950	01.146	341
4838	+16.1	00.988	01.189	341
4569	-09.4	01.371	01.810	326
4417	-00.9	01.659	02.123	331
4339	-06.4	01.829	02.388	327
4293	-16.0	01.941	02.629	321
4062	-06.4	02.613	03.412	327
4006	-17.1	02.809	03.821	321
3947	-14.0	03.034	04.079	323
3888	-14.0	03.277	04.404	323
3868	-26.4	03.365	04.751	315
3742	-19.2	03.989	05.471	319
3703	-30.1	04.206	06.027	313
3510	-15.1	05.455	07.364	322
3492	-19.5	05.587	07.672	319
3390	-16.9	06.396	08.694	321
3311	-26.4	07.115	10.127	314
3196	-44.1	08.385	12.752	303
3159	-44.6	08.856	13.499	303
3150	-49.8	08.976	14.000	300
3080	-54.8	09.992	15.942	296
2959	-53.9	12.049	19.144	297
2936	-51.7	12.482	19.636	298
2635	-57.4	19.898	32.128	294
2378	-55.9	29.755	47.712	295
2310	-56.9	33.095	53.314	295
2271	-55.9	35.178	56.408	295
2225	-58.7	37.815	61.429	294
2173	-58.1	41.053	66.502	294
2146	-59.9	42.847	69.995	293
2100	-57.1	46.080	74.300	295
1935	-60.9	59.855	98.241	292
1844	-57.9			

COMPOSITION

A MSL	O	ED	LAR

RAOB

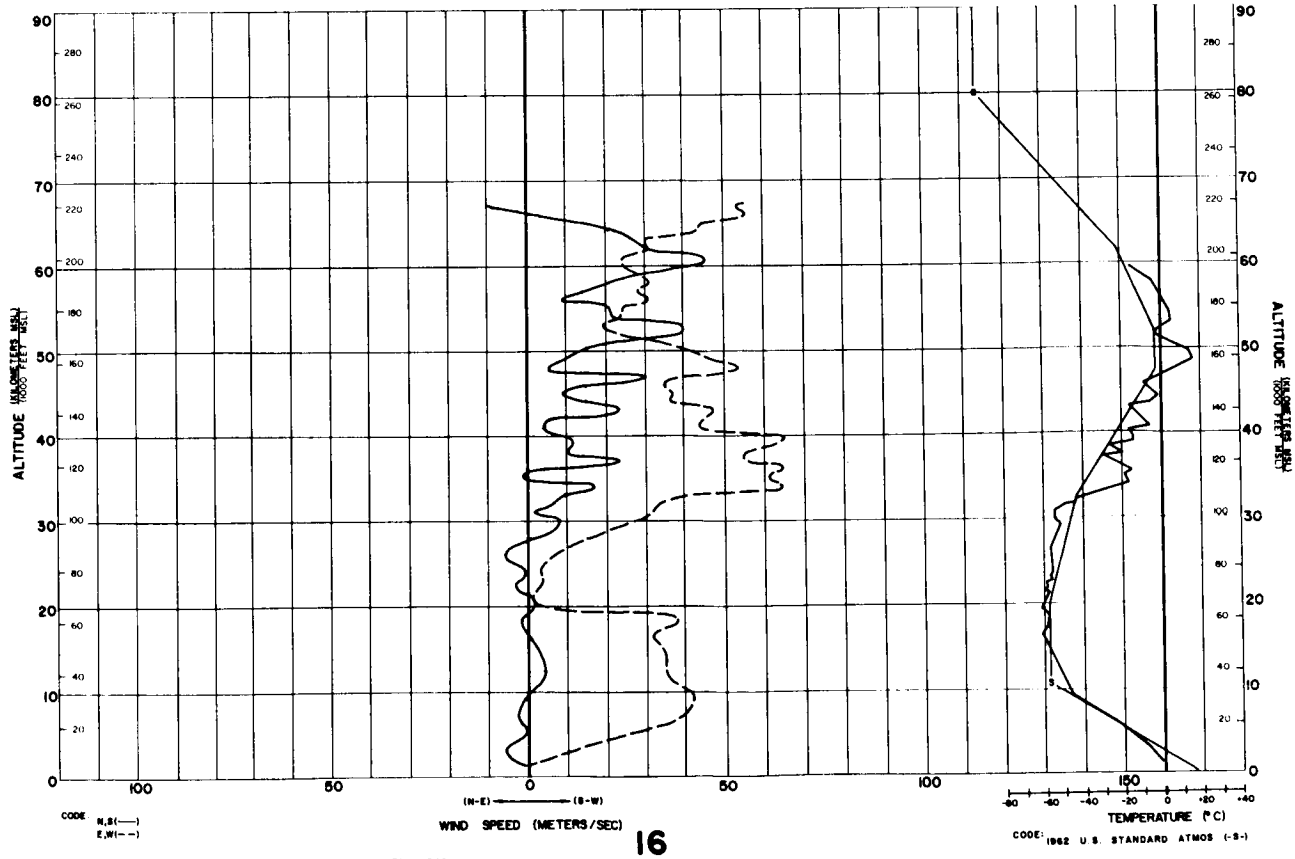
PMB	A MSL	COMP	WNDS	RH	TDC
0010.5	3048				-53.0
0013.3	2896	-001	+018		-56.9
0016.9	2743	+000	+010		-58.2
0021.4	2591	-001	+004		-56.7
0027.2	2438	+000	+008		-60.5
0044.2	2134	-001	+002		-62.2
0072.0	1829	-002	+038		-63.6
0116.8	1524	+002	+033		-59.3
0188.3	1219	+004	+035		-52.6
0300.7	0914	-001	+042		-46.0
0465.8	0610	-002	+036	25	-25.5
0699.1	0305	-006	+012	52	-08.2
0880.0	0122	-001	+000	75	-00.3
0010.0	3063				-50.2
0050.0	2050	+002	+002		-61.1
0100.0	1618	+001	+032		-60.6
0500.0	0557	-001	+031	24	-22.2
0700.0	0304	-006	+011	52	-08.1

ROCKET (CONTINUED)

FV	A MSL	COMP	WNDS
010	2600	-006	+007
008	2400	-001	+003
007	2260	-003	+003

THERMODYNAMICS (CONTINUED)

A MSL	TDC	PMB	D	SOS
1719	-58.3			



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 02	1600	-02	20	01	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
033	7035	-030	+056
041	6925	-014	+046
022	6831	-020	+048
024	6761	-020	+054
033	6675	-010	+048
021	6562	+012	+045
019	6441	+022	+037
018	6328	+024	+038
017	6221	+034	+027
018	6114	+051	+017
017	6008	+040	+022
012	5920	+027	+030
013	5843	+020	+031
013	5764	+019	+029
013	5685	+012	+034
010	5616	+014	+031
016	5535	+024	+017
012	5450	+023	+024
008	5389	+022	+025
014	5323	+054	+012
011	5217	+040	+027
009	5096	+019	+040
009	4987	+015	+049
012	4859	+009	+053
010	4724	+020	+041
005	4633	+029	+038
011	4538	+014	+037
008	4429	+015	+040
012	4313	+016	+049
005	4216	+015	+045
008	4143	+008	+045
010	4039	+008	+046

THERMODYNAMICS

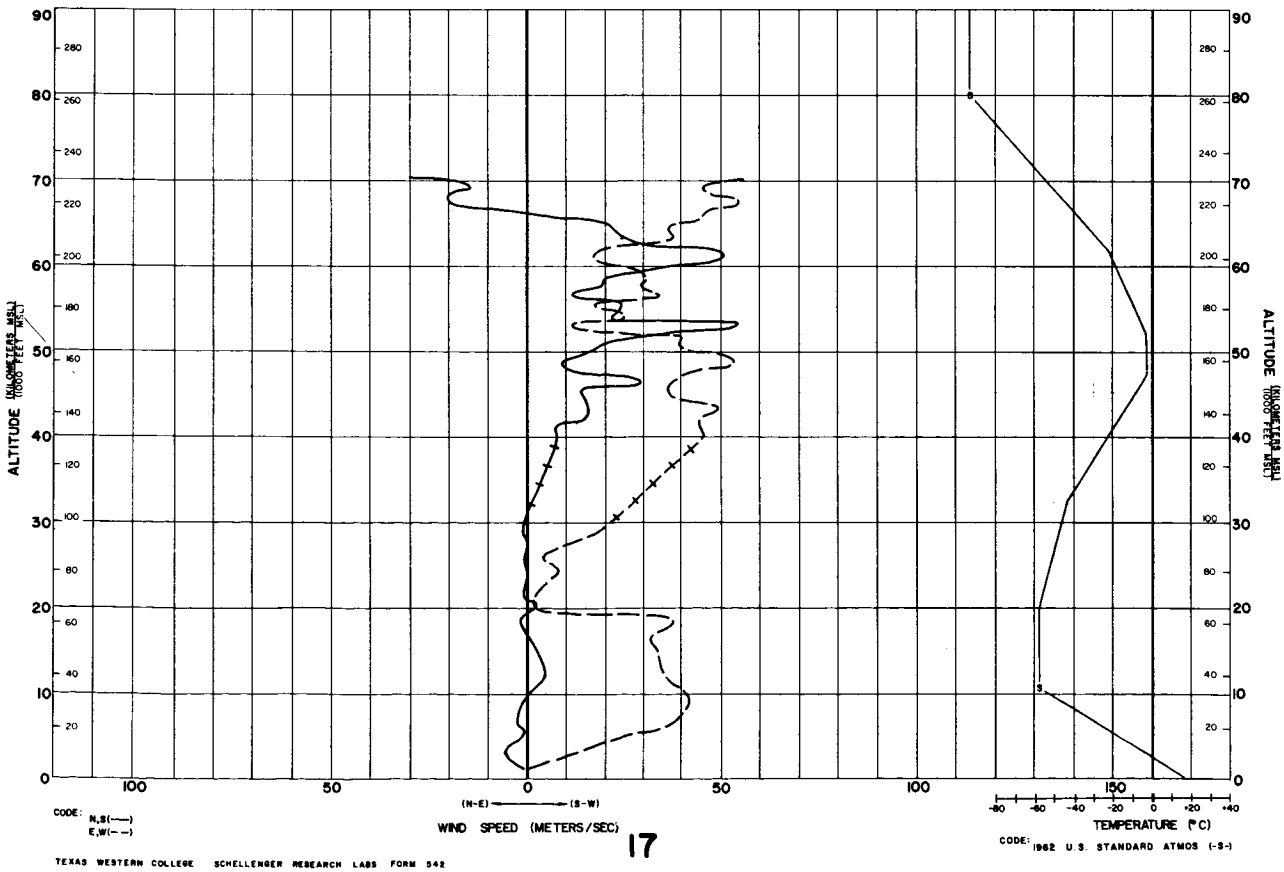
A MSL	TDC	PMB

COMPOSITION

D	SOS	A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.5	3048				-53.0
0013.3	2896	-001	+018		-56.9
0016.9	2743	+000	+010		-58.2
0021.4	2591	-001	+004		-56.7
0027.2	2438	+000	+008		-60.5
0044.2	2134	-001	+002		-62.2
0072.0	1829	-002	+038		-63.6
0116.8	1524	+002	+033		-59.3
0188.3	1219	+004	+035		-52.6
0300.7	0914	-001	+042		-46.0
0465.8	0610	-002	+036	25	-25.5
0699.1	0305	-006	+012	52	-08.2
0880.0	0122	-001	+000	75	-00.3
0010.0	3063				-50.2
0050.0	2050	+002	+002		-61.1
0100.0	1618	+001	+032		-60.6
0500.0	0557	-001	+031	24	-22.2
0700.0	0304	-006	+011	52	-08.1

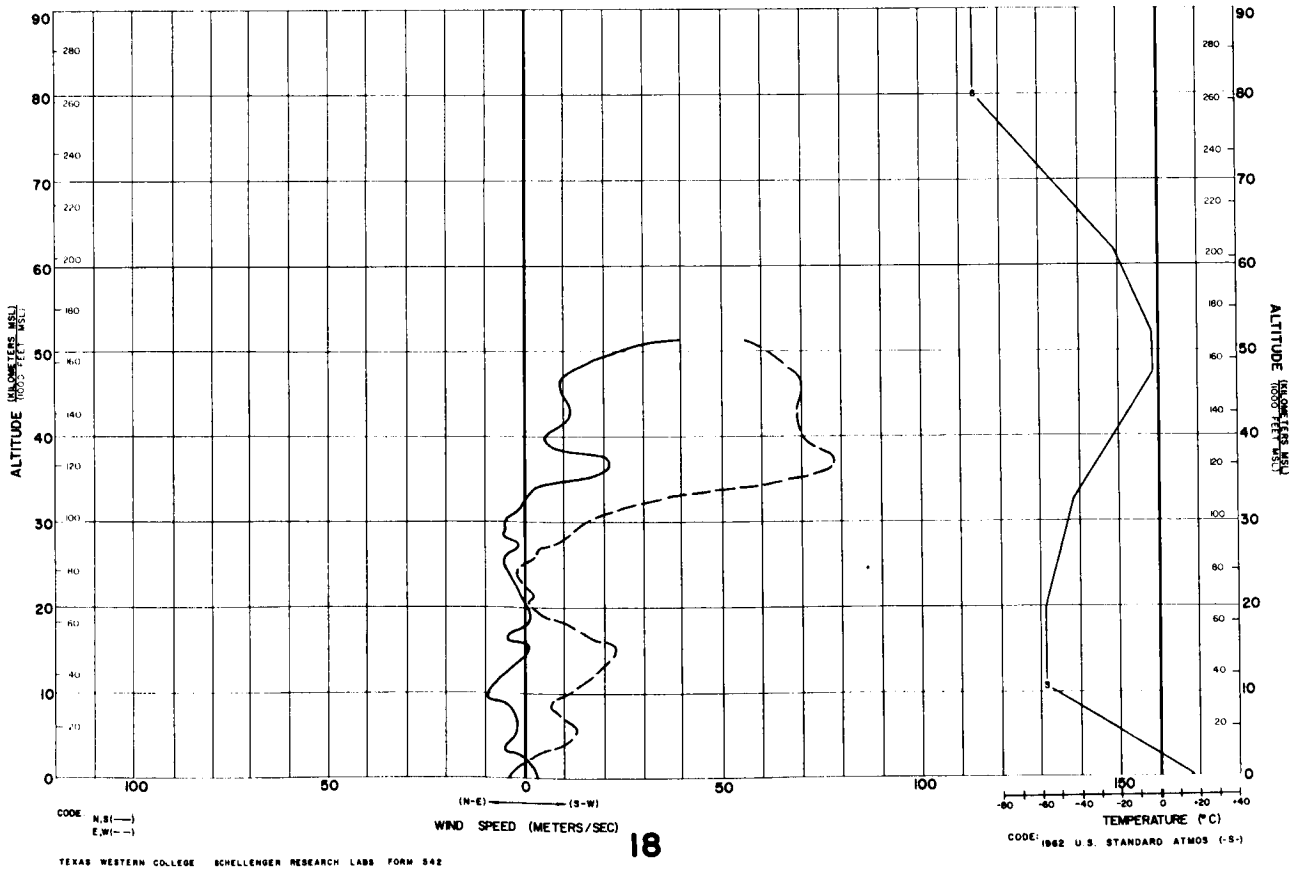


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
93111	PMR, POINT MUGU, CALIF.	66 02 02	1730	+03	01	04	00			00	5128	5128			1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
110	5128	+040	+056										0017.0	2743	-004	+006		-56.0
082	4637	+009	+070										0021.6	2591	-003	+002		-54.3
061	4271	+012	+069										0027.4	2438	-005	-002		-56.9
048	3981	+005	+071										0044.3	2134	-001	+002		-60.6
039	3750	+020	+078										0072.2	1829	+001	+010		-62.9
026	3594	+020	+076										0117.7	1524	+001	+023		-59.3
035	3387	+003	+056										0191.4	1219	-005	+018		-65.5
024	3240	+000	+034										0308.8	0914	-007	+007		-44.0
022	3109	-002	+022										0474.2	0610	-002	+012		-18.8
018	3000	-005	+016										0703.3	0305	-004	+005		+00.4
017	2896	-005	+013										1021.8	0000	+003	-004	53	+14.3
012	2823	-005	+011										0050.0	2052	+000	+001		-61.2
011	2759	-002	+008										0100.0	1623	-004	+017		-59.9
011	2695	-002	+004										0300.0	0933	-009	+008		-45.6
010	2634	-004	+003										0500.0	0570	-002	+013	20	-17.1
008	2605	-004	+003										0700.0	0309	-005	+005		+00.2

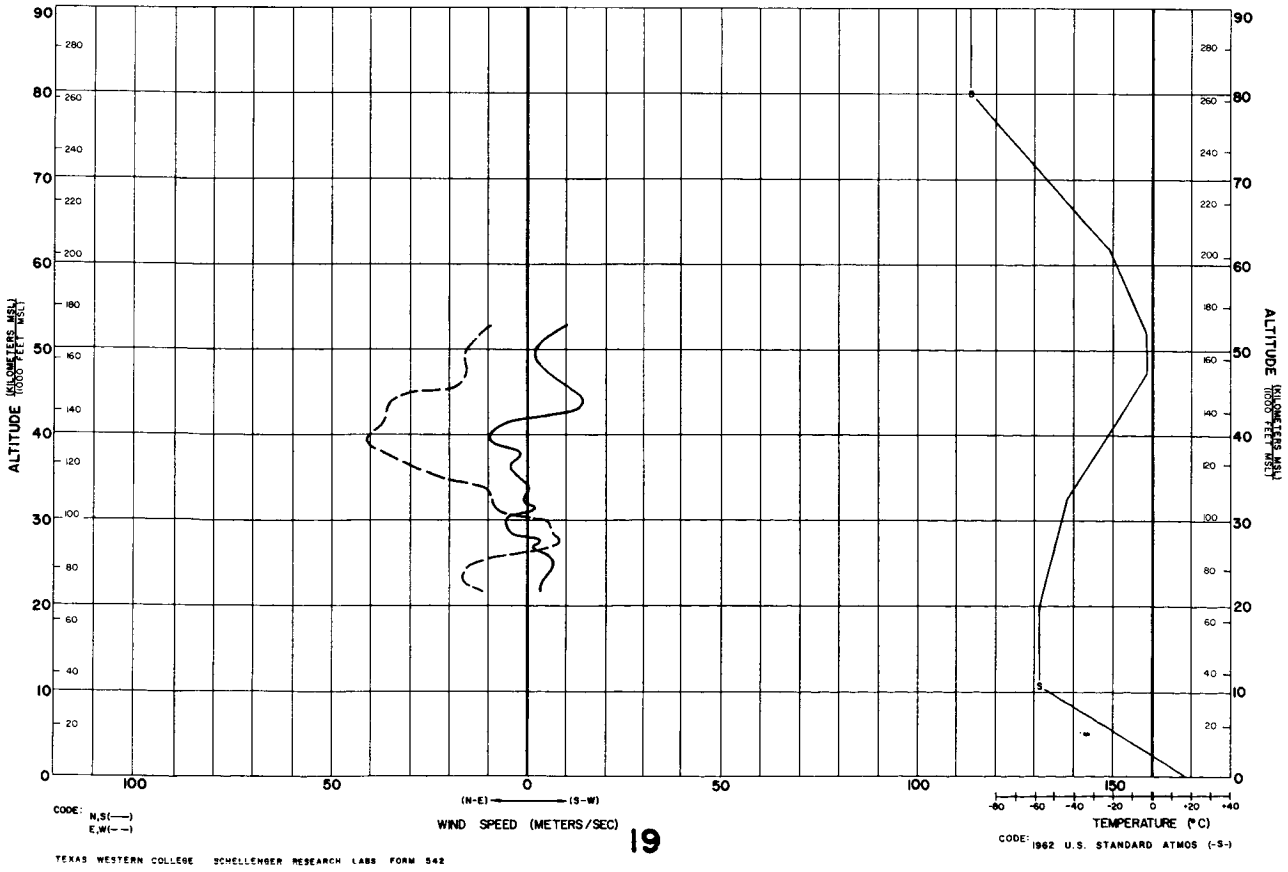


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11503	HARP, SEAWELL, WEST INDIES	66 02 02	1735		18	02	00								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
069	5290	+010	-009															
051	4930	+002	-016															
046	4639	+008	-017															
043	4372	+014	-035															
036	4136	-006	-037															
031	3936	-009	-041															
026	3764	-002	-036															
025	3610	-004	-030															
021	3472	-002	-019															
022	3342	+000	-010															
018	3223	-001	-009															
017	3120	+002	-008															
016	3022	-005	-001															
016	2928	-005	+006															
013	2841	-004	+007															
014	2758	+003	+008															
012	2681	+002	+004															
011	2579	+006	-008															
010	2454	+007	-015															
009	2341	+005	-017															
008	2239	+003	-016															
008	2146	+003	-012															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 02	2017	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
107	5588	-040	+002
090	5293	-054	-008
072	5049	-064	+000
062	4753	-067	-014
049	4420	-072	+000
040	4153	-076	-009
033	3933	-067	+000
030	3745	-060	-006
026	3578	-055	-006
023	3431	-050	-006
020	3303	-035	-003
018	3190	-030	+002
017	3085	-026	-001
016	2987	-022	+000
014	2899	-020	+000
014	2817	-016	+000
013	2735	-018	+000
012	2661	-013	+000
010	2566	-011	+011
009	2451	-008	+003
008	2345	-008	+007
008	2249	-005	+008
006	2166	-005	+006
006	2094	-003	+005
006	2023	-003	+003
006	1949	+000	+005
005	1882	+000	+001
005	1824	-004	+006

THERMODYNAMICS

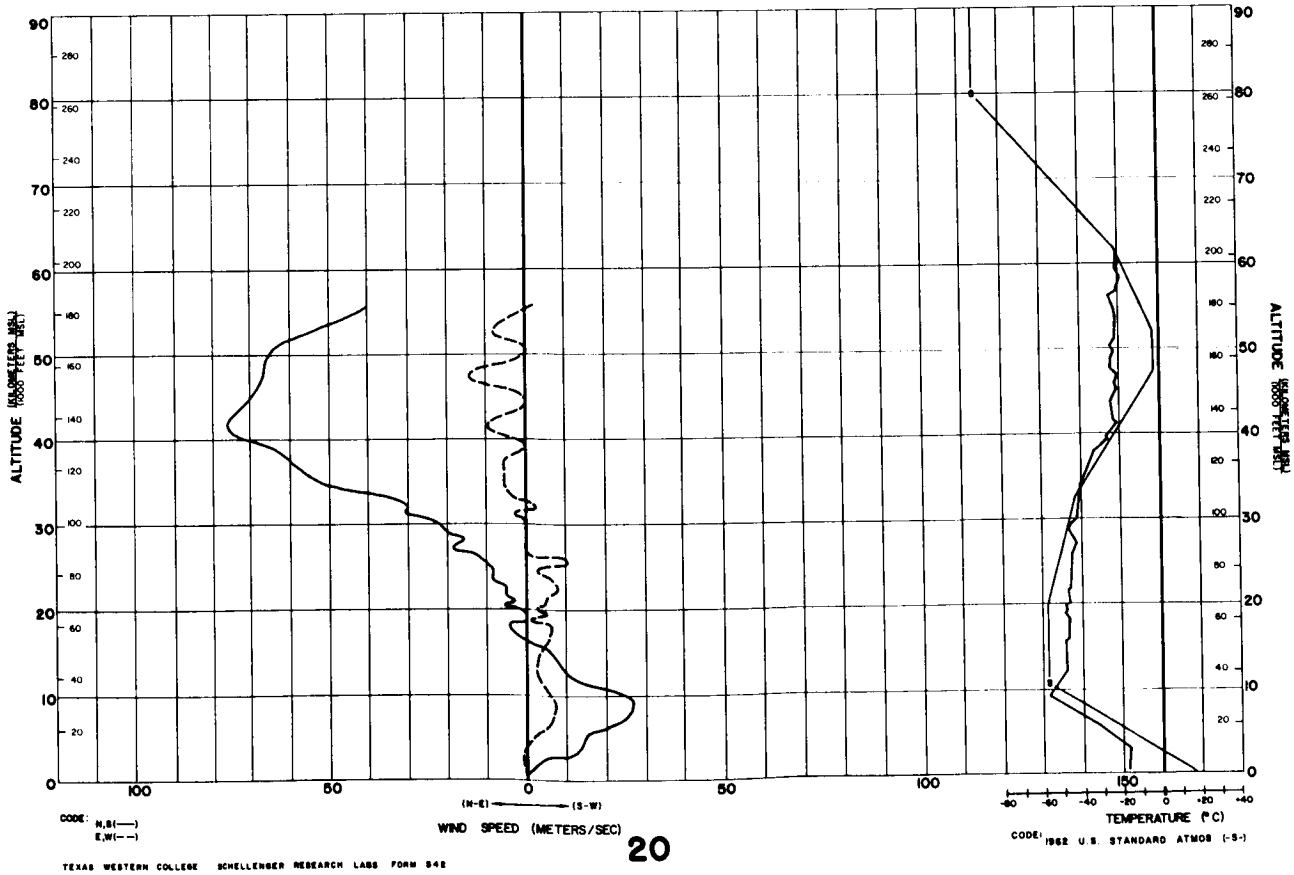
A MSL	TDC	PMB	D	SOS
6115	-20.7	00.170	00.235	319
5950	-21.7	00.212	00.294	318
5820	-19.5	00.252	00.346	319
5680	-21.4	00.304	00.420	318
5615	-24.1	00.332	00.463	316
5455	-22.7	00.411	00.571	317
5350	-21.4	00.473	00.654	318
5100	-22.2	00.661	00.917	318
5030	-24.3	00.726	01.016	316
4950	-22.9	00.809	01.126	317
4885	-24.2	00.883	01.235	316
4780	-24.2	01.018	01.423	316
4690	-20.5	01.148	01.583	319
4580	-22.5	01.330	01.848	317
4500	-21.0	01.481	02.045	318
4365	-24.2	01.776	02.484	316
4150	-22.9	02.374	03.304	317
4115	-21.1	02.488	03.438	318
3945	-27.5	03.133	04.442	314
3905	-27.2	03.310	04.687	314
3780	-34.0	03.939	05.737	310
3360	-40.2	07.184	10.744	306
3005	-43.1	12.069	18.276	304
2965	-45.9	12.805	19.629	302
2885	-46.2	14.427	22.145	302
2700	-42.4	18.970	28.639	305
2550	-45.9	23.684	36.306	302
2175	-46.8	41.492	63.858	302
2145	-48.0	43.406	67.159	301
2000	-46.9			
1970	-48.8			
1930	-47.7			
1870	-48.4			
1845	-47.2			
1800	-46.4			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0009.4	3200	-028	+005		-42.8
0011.3	3048	-032	-003		-44.2
0014.2	2896	-025	+001		-44.2
0017.6	2743	-020	+001		-42.7
0022.2	2591	-015	+003		-44.5
0027.8	2438	-010	+003		-47.0
0044.2	2134	-006	+005		-47.2
0070.2	1829	-002	+005		-47.5
0111.4	1524	+004	+004		-49.2
0176.0	1219	+011	+003		-48.7
0282.7	0914	+027	+007		-57.3
0449.5	0610	+020	+005	56	-37.3
0685.2	0305	+007	-001	92	-17.7
0970.0	0040	+000	+000	83	-18.3
0010.0	3124	-031	-003		-43.5
0050.0	2051	-006	+004		-48.0
0100.0	1594	+002	+005		-47.3
0500.0	0535	+016	+003	79	-32.1
0700.0	0290	+006	-001	92	-16.8



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 548

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
15901	FORT CHURCHILL, CANADA	66 02 02	2100	-03	01	02	12			01			6714	4352	1

ROCKET WINDS

FV	A MSL	COMP	WNDS
113	5100	-020	+020
091	4794	-012	+032
068	4455	-018	+022
050	4101	-035	+005
040	3830	-040	-007
030	3620	-050	-008
027	3450	-045	-002
026	3293	-045	+000
023	3145	-042	+001
020	3015	-045	-005
018	2900	-039	+004
016	2798	-039	+009
017	2700	-034	+006
011	2618	-039	+012
014	2544	-025	+010
012	2466	-031	+008
010	2401	-026	+010
010	2311	-023	+011

THERMODYNAMICS

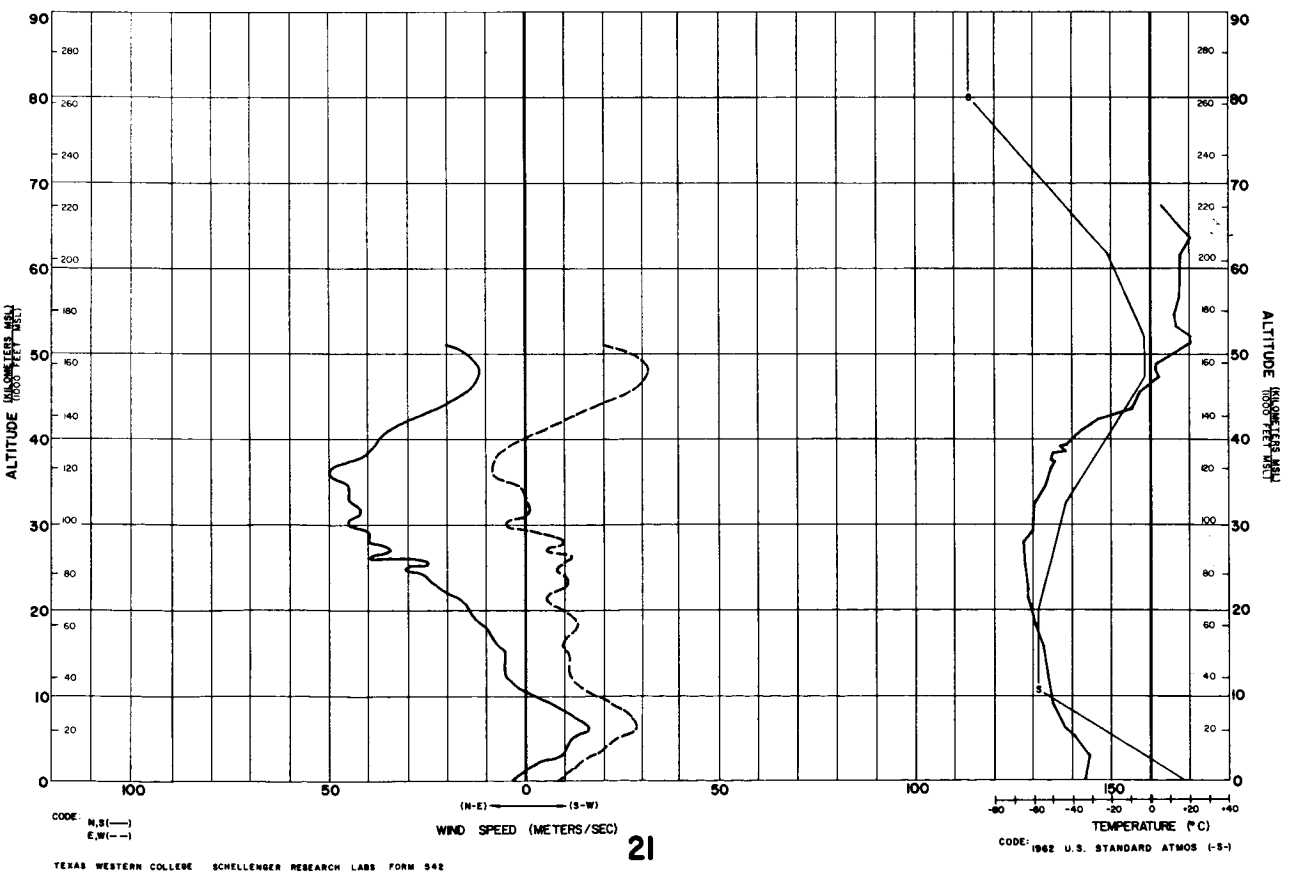
A MSL	TDC	PMB	D	SOS
6714	+05.4	00.080	00.099	335
6488	+14.9	00.104	00.126	340
6365	+20.9	00.120	00.142	344
6145	+15.9	00.155	00.186	341
5659	+15.1	00.272	00.328	340
5457	+12.0	00.345	00.420	339
5309	+13.2	00.410	00.498	339
5210	+20.9	00.460	00.544	344
5120	+20.8	00.510	00.604	344
4886	+02.8	00.672	00.848	333
4811	+02.0	00.736	00.932	333
4719	+04.7	00.823	01.032	334
4528	-05.6	01.043	01.357	328
4352	-09.7	01.303	01.723	325
4240	-26.5	01.511	02.134	315
4100	-34.9	01.836	02.685	309
4014	-38.6	02.076	03.083	307
3930	-42.6	02.345	03.543	304
3898	-46.1	02.458	03.772	302
3848	-43.2	02.647	04.009	304
3822	-50.2	02.751	04.299	299
3753	-51.5	03.055	04.802	298
3721	-48.0	03.207	04.961	301
3647	-51.7	03.587	05.642	298
3440	-53.4	04.925	07.806	297
3252	-59.7	06.604	10.778	293
2988	-60.5	10.044	16.453	292
2930	-59.9	11.014	17.991	293
2797	-64.9	13.637	22.812	289
2500	-63.6	22.076	36.699	290
2250	-62.6			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.9	3048				-63.6
0011.4	2896	-036	+005		-64.9
0014.7	2743	-034	+008		-67.2
0018.9	2591	-029	+007		-69.1
0024.4	2438	-025	+009		-67.3
0040.1	2134	-017	+006		-62.9
0070.5	1829	-011	+013		-58.4
0105.8	1524	-006	+010		-54.4
0168.9	1219	-005	+012	99	-52.4
0270.9	0914	+007	+022	98	-50.5
0430.0	0610	+016	+028	21	-43.3
0668.8	0305	+009	+017	28	-31.0
1021.7	0001	-003	+008	58	-33.9
0010.0	2973	-037	+002		-63.9
0050.0	1998	-014	+010		-60.8
0100.0	1559	-007	+009		-54.8
0500.0	0507	+013	+024	25	-39.2
0700.0	0273	+006	+016	44	-31.0

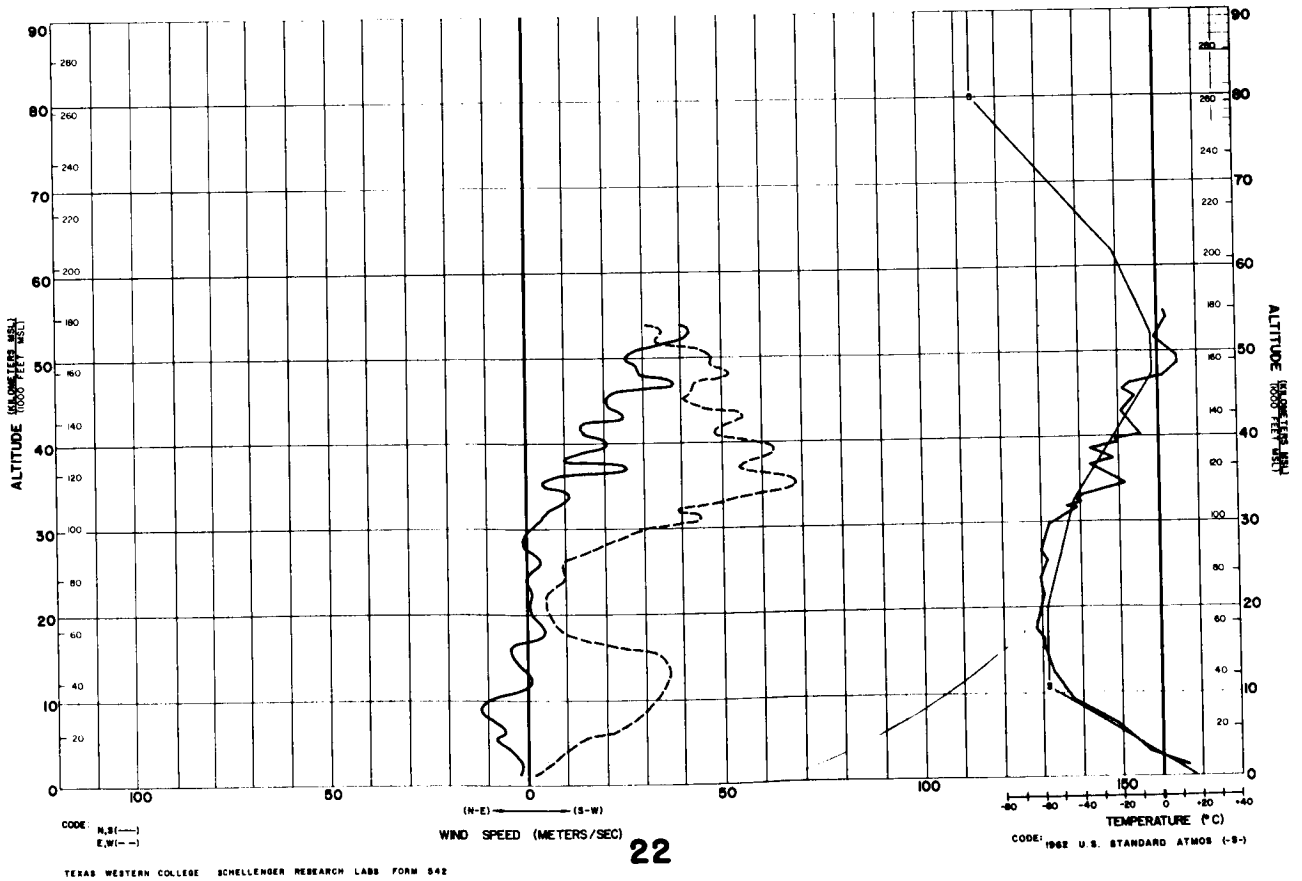


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR. NEW MEXICO	66 02 02	2115	+01	01	02	20								4

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
226	5376	+040	+031	5464	+03.0	00.444	00.561	333					0021.0	2610				-57.7
217	5310	+042	+035	5376	+04.5	00.494	00.620	334					0021.6	2591				-57.8
200	5204	+039	+033	5165	-01.6	00.640	00.821	330					0027.5	2438	-001	+008		-58.8
174	5092	+029	+044	4933	+10.0	00.847	01.043	337					0044.5	2134	+000	+009		-59.7
157	4994	+026	+047	4840	+10.0	00.946	01.164	337					0072.5	1829	+003	+017		-62.8
139	4904	+028	+047	4696	+01.0	01.125	01.430	332					0117.8	1524	+002	+032		-58.7
123	4802	+029	+052	4634	-14.1	01.217	01.637	323					0189.6	1219	+001	+036		-55.2
110	4696	+038	+043	4526	-17.8	01.402	01.913	320					0303.1	0914	-012	+031		-44.7
100	4603	+023	+042	4446	-12.0	01.557	02.077	324					0469.1	0610	-006	+021	24	-23.4
091	4498	+021	+041	4376	-14.5	01.703	02.294	323					0700.8	0305	-002	+007	54	-07.0
077	4399	+022	+045	4279	-18.4	01.935	02.646	320					0879.1	0122	-002	+002	24	+12.2
075	4302	+025	+055	4011	-09.2	02.738	03.614	326					0050.0	2050	+000	+005		-59.8
069	4199	+014	+050	3959	-21.8	02.931	04.063	318					0100.0	1621	-004	+029		-59.1
067	4097	+015	+048	3915	-21.2	03.110	04.301	318					0500.0	0562	-008	+016	24	-20.4
065	3998	+021	+058	3839	-35.3	03.452	05.057	309					0700.0	0306	-002	+007	54	-07.0
056	3899	+017	+063	3719	-24.3	04.078	05.709	316										
058	3799	+010	+059	3661	-34.5	04.422	06.455	310										
050	3699	+026	+054	3421	-18.2	06.136	08.385	320										
042	3604	+008	+063	3301	-38.5	07.241	10.782	307										
042	3498	+004	+068	3243	-42.0	07.875	11.870	305										
041	3401	+011	+061	3227	-39.6	08.063	12.028	306										
040	3301	+010	+050	3181	-47.0	08.627	13.291	302										
035	3199	+006	+039	3149	-43.1	09.050	13.706	304										
040	3101	+003	+044	2968	-56.3	11.890	19.104	295										
045	2999	+001	+031	2643	-60.6	19.848	32.536	292										
044	2800	-001	+019	2525	-57.0	23.901	38.526	295										
045	2600	+003	+009	2342	-61.2	31.937	52.500	292										
039	2402	+000	+009	2217	-60.2	39.000	63.809	293										
037	2201	+001	+005	2160	-59.1	42.652	69.426	293										
029	2000	+001	+006	2027	-60.6	52.781	86.486	292										
022	1800	+004	+008	1757	-63.8													
023	1599	-004	+023															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
40604	PMR. KWAJALEIN. M.I.	66 02 03	0009	-01	03	01	00			00	5800	2200			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
067	5800	+025	+014
049	5700	+035	+013
049	5600	+027	+010
038	5500	+026	+032
032	5300	+024	+042
029	5200	+018	+030
031	5100	+017	+046
033	5000	+020	+034
029	4900	+016	+045
026	4800	+026	+022
023	4700	+013	+036
016	4500	+004	-012
026	4400	+006	-016
019	4300	+000	-091
020	4200	+010	-056
019	4000	+016	-013
017	3900	+012	+020
016	3800	+011	+000
016	3700	+018	-010
015	3600	-003	+016
016	3500	-002	+012
011	3000	-004	+012
014	2800	+019	-007
013	2700	+004	-003
010	2500	+003	-004
009	2200	+003	-008

THERMODYNAMICS

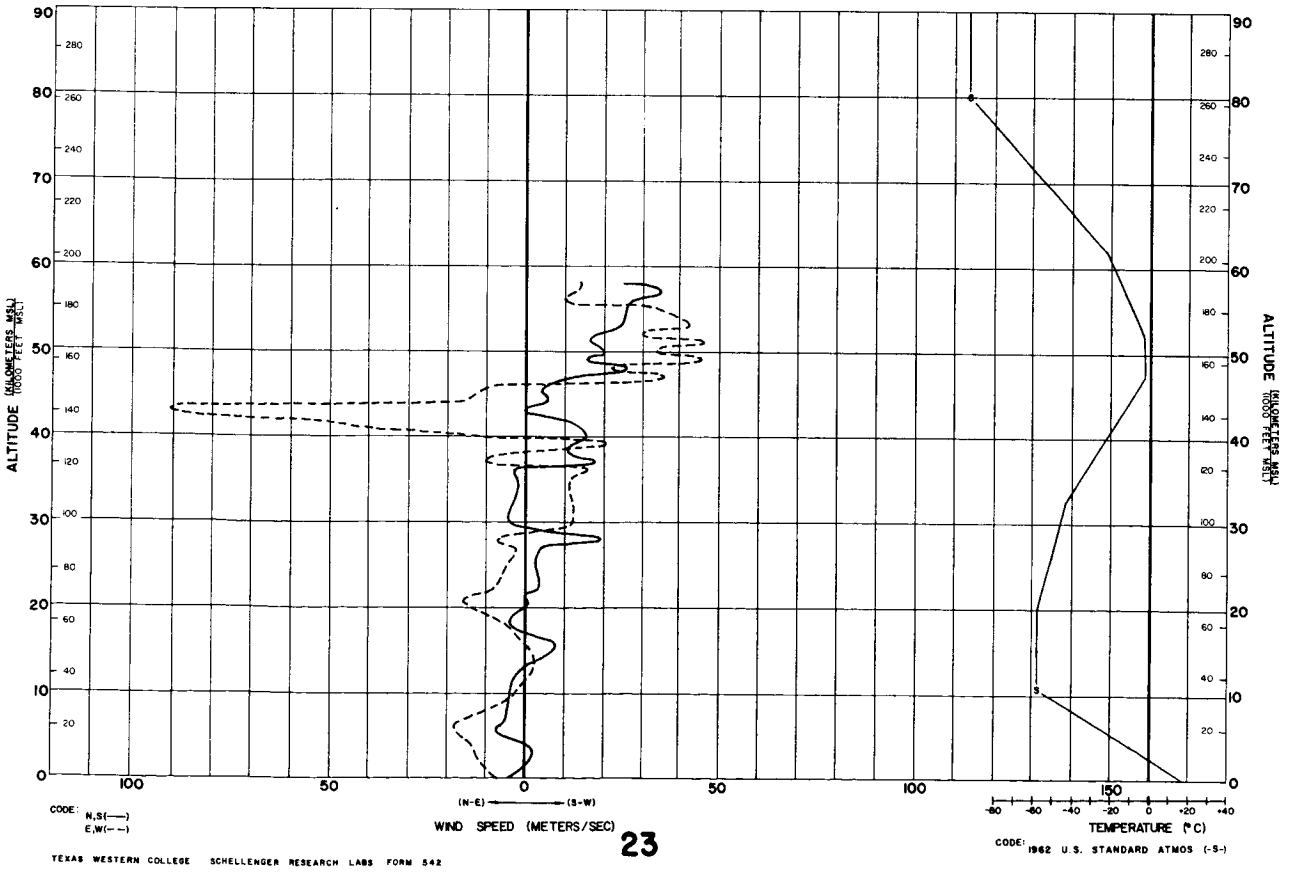
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0007.0	3353	+001	+016		-40.3
0008.7	3200	+001	+015		-41.8
0010.9	3048	+001	+013		-46.6
0013.8	2896	-002	+018		-51.5
0017.4	2743	+003	+006		-50.5
0022.0	2591	-004	+004		-51.4
0027.7	2438	+003	-013		-53.4
0044.9	2134	+000	-014		-64.9
0075.2	1829	-004	-006		-79.2
0128.5	1524	+008	+001		-74.4
0210.2	1219	-002	+002		-49.7
0326.3	0914	-004	-005		-23.9
0488.3	0610	-006	-018		-05.1
0710.3	0305	+002	-013		+12.9
1012.5	0000	-004	-007	64	+29.4
0010.0	3109	-001	+016		-43.8
0050.0	2068	+001	-016		-67.9
0100.0	1668	+002	-002		-80.1
0500.0	0591	-007	-018		-04.0
0700.0	0317	+002	-013		+12.4

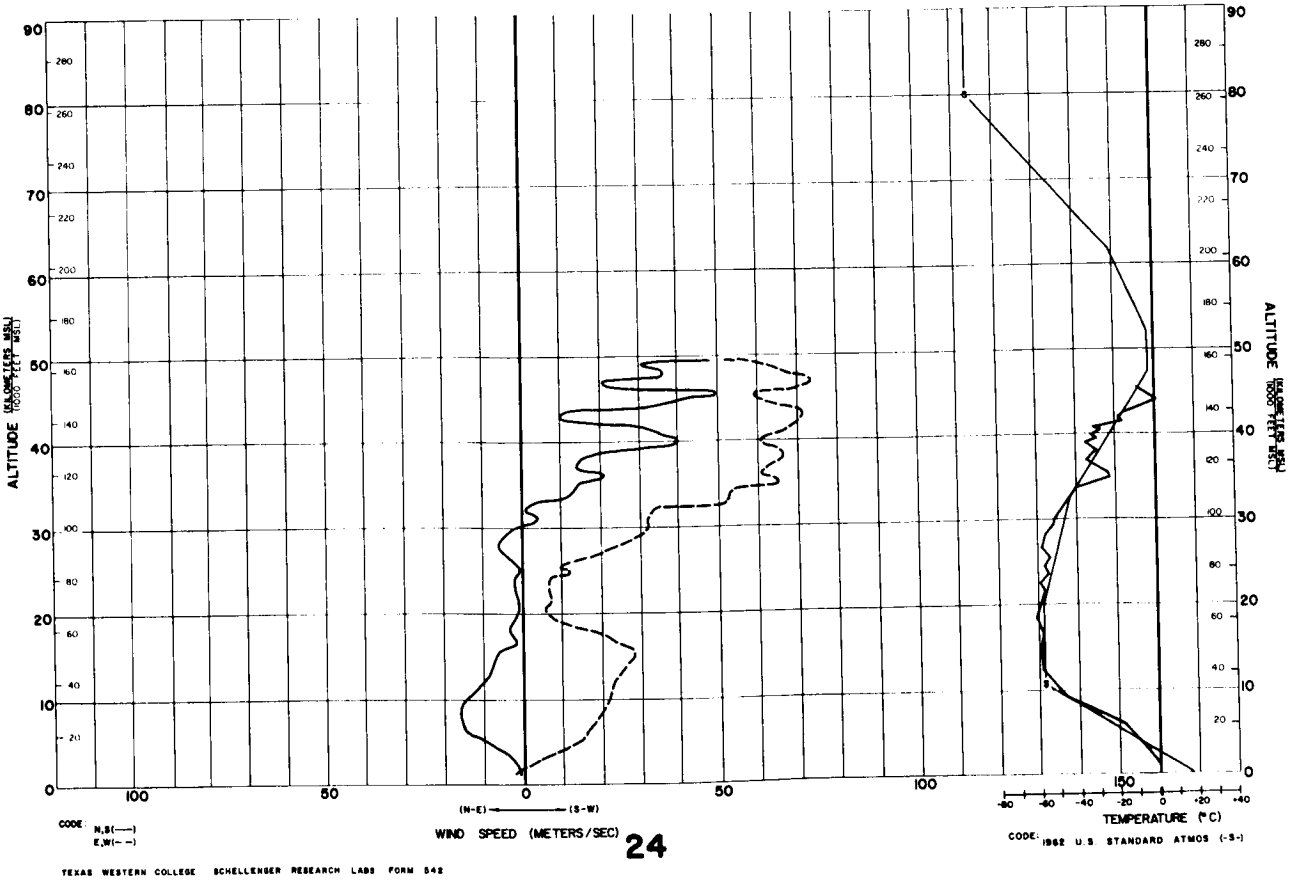


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR. NEW MEXICO	66 02 03	1600	-01	17	02	12								3

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
072	4935	+048	+052	4520	-08.0	01.380	01.813	326										
071	4900	+031	+061	4383	+00.4	01.638	02.086	332										
070	4800	+036	+067	4261	-15.0	01.912	02.580	322										
067	4700	+021	+073	4194	-18.2	02.088	02.853	320										
063	4600	+040	+068	4139	-16.2	02.245	03.044	321										
078	4520	+049	+059	4078	-31.0	02.438	03.507	312										
076	4500	+044	+059	4042	-27.8	02.563	03.638	314										
062	4400	+032	+066	3993	-32.5	02.743	03.971	311										
057	4300	+010	+071	3968	-28.9	02.840	04.051	313										
045	4200	+023	+069	3908	-34.6	03.089	04.510	310										
041	4100	+035	+066	3810	-29.7	03.543	05.070	313										
039	4000	+040	+061	3688	-34.7	04.204	06.141	310										
035	3900	+030	+064	3621	-31.3	04.619	06.653	312										
032	3800	+016	+066	3508	-24.5	05.397	07.561	316										
030	3700	+014	+063	3481	-23.8	05.599	07.821	317										
029	3600	+021	+061	3368	-40.5	06.560	09.822	306										
028	3500	+015	+065	3030	-51.2	10.848	17.026	299										
026	3400	+013	+053	2926	-51.7	12.715	20.001	298										
022	3300	+006	+052	2862	-55.7	14.034	22.482	296										
020	3200	+001	+034	2673	-58.3	18.871	30.597	294										
019	3100	+004	+032	2518	-54.0	24.038	38.212	297										
017	3000	-002	+032	2441	-56.5	27.098	43.572	295										
014	2800	-006	+024	2353	-54.8	31.082	49.590	296										
012	2600	-002	+013	2268	-58.9	35.514	57.744	293										
009	2500	-001	+010	2137	-57.1	43.663	70.403	295										
009	2490	-001	+012	1932	-60.5													
				1835	-61.4													
				1622	-58.2													
				1506	-58.9													
													0016.9	2743				-57.3
													0021.5	2591	-001	+011		-58.8
													0027.3	2438	-002	+007		-58.3
													0044.4	2134	-001	+007		-61.8
													0072.6	1829	-003	+016		-65.3
													0118.6	1524	-006	+028		-59.2
													0191.7	1219	-009	+023		-58.0
													0308.8	0914	-016	+021		-45.9
													0475.6	0610	-014	+016	21	-20.3
													0705.8	0305	-003	+004	41	-07.0
													0889.0	0122	-001	-002	70	-00.8
													0050.0	2051	-001	+006		-62.7
													0100.0	1626	-002	+024		-60.6
													0500.0	0572	-013	+016	19	-16.7
													0700.0	0311	-003	+004	32	-06.6

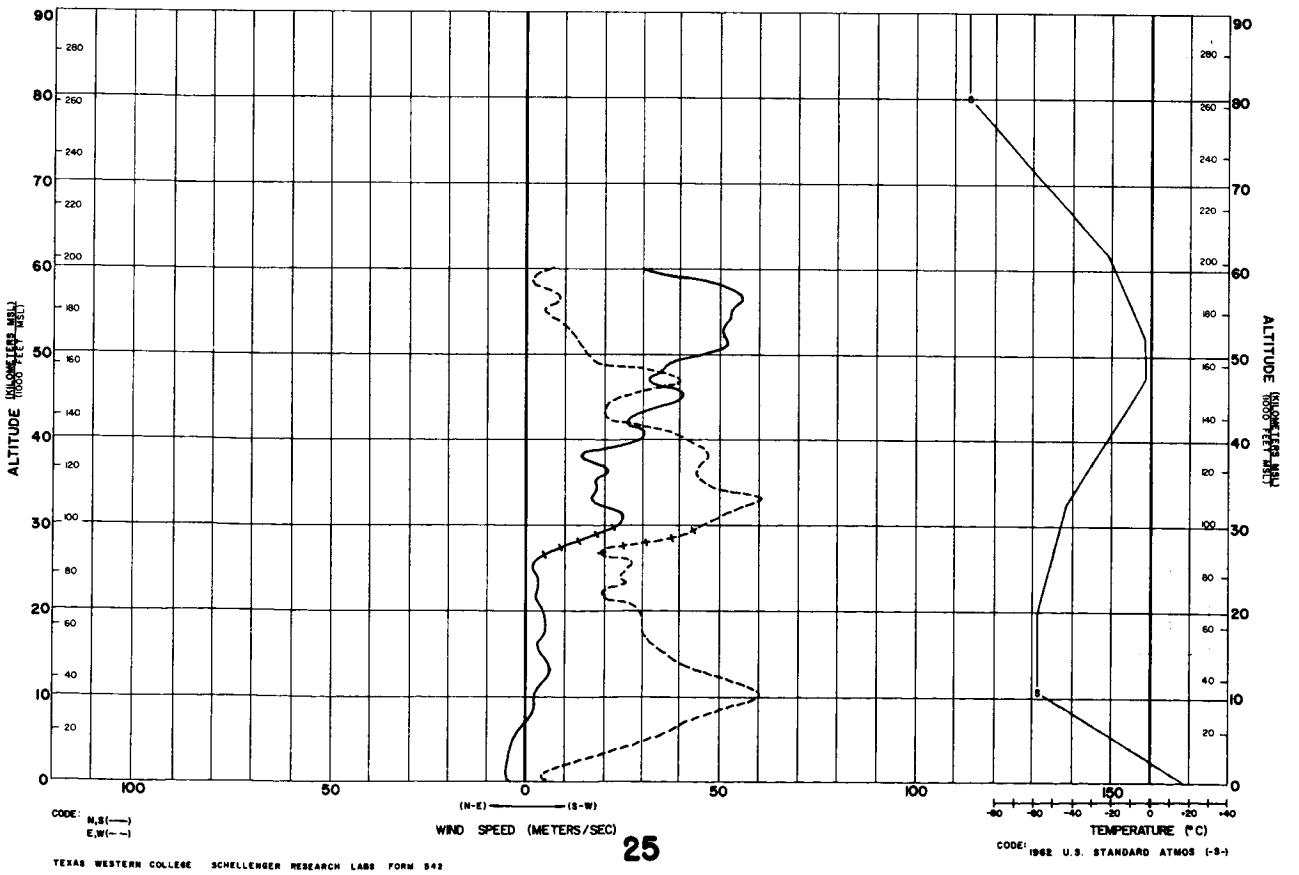


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66	02	03	1959	-03	03	01	00			00	6000	5900			1
99999	WALLOPS ISLAND, VIRGINIA	66	02	03	1959	-03						00	3600	3000			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
056	6000	+030	+007										0015.0	2826				-53.6
049	5900	+041	+002										0020.0	2639	+004	+020		-54.6
047	5800	+051	+002										0024.0	2522	+002	+027		-55.0
044	5700	+055	+008										0030.0	2380	+003	+024		-60.0
041	5600	+055	+008										0031.0	2359	+003	+025		-61.0
038	5500	+053	+005										0037.0	2248	+003	+020		-60.4
034	5400	+053	+007										0044.0	2136	+003	+020		-56.3
032	5300	+051	+011										0070.0	1844	+005	+030		-58.0
031	5200	+051	+013										0080.0	1760	+005	+030		-58.4
029	5100	+052	+014										1018.4	0000	-004	+005	58	-00.6
029	5000	+046	+016										0050.0	2058	+004	+028		-56.7
027	4900	+038	+018										0100.0	1618	+003	+032		-57.8
024	4800	+035	+033										0150.0	1359	+006	+042		-50.9
022	4700	+032	+040										0200.0	1168	+004	+054		-47.4
020	4600	+038	+033										0250.0	1020	+002	+060		-46.2
019	4500	+041	+026										0300.0	0898	+002	+054		-46.2
020	4400	+037	+021										0400.0	0703	+000	+042	18	-35.8
020	4300	+029	+020										0500.0	0544	-002	+036	16	-24.6
020	4200	+026	+026										0700.0	0293	-004	+018	31	-13.0
020	4100	+030	+037										0850.0	0143	-005	+008	44	-05.9
017	4000	+029	+042										1000.0	0015	-005	+004	50	-01.2
016	3900	+022	+045															
016	3800	+014	+047															
017	3700	+018	+045															
015	3600	+021	+044															
014	3500	+018	+045															
017	3400	+018	+050															
016	3300	+017	+061															
013	3200	+020	+056															
012	3100	+024	+051															
012	3000	+023	+046															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 03	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
095	5332	-098	-020
080	5070	-104	-013
063	4856	-140	-022
063	4667	-146	-020
048	4428	-126	-019
042	4158	-114	-005
035	3928	-097	+003
029	3736	-075	-001
025	3574	-051	-001
028	3417	-049	+001
018	3281	-039	+000
020	3168	-036	+002
017	3058	-028	+008
015	2964	-022	+007
015	2874	-017	+003
014	2785	-018	+004
012	2706	-014	+000
012	2635	-015	+006
010	2570	-012	+008
010	2479	-008	+006
009	2366	-008	+002
008	2267	-005	+005
007	2179	-004	+003
007	2095	-006	+006
006	2016	-003	+002
006	1946	-007	+006
006	1875	-002	+008

THERMODYNAMICS

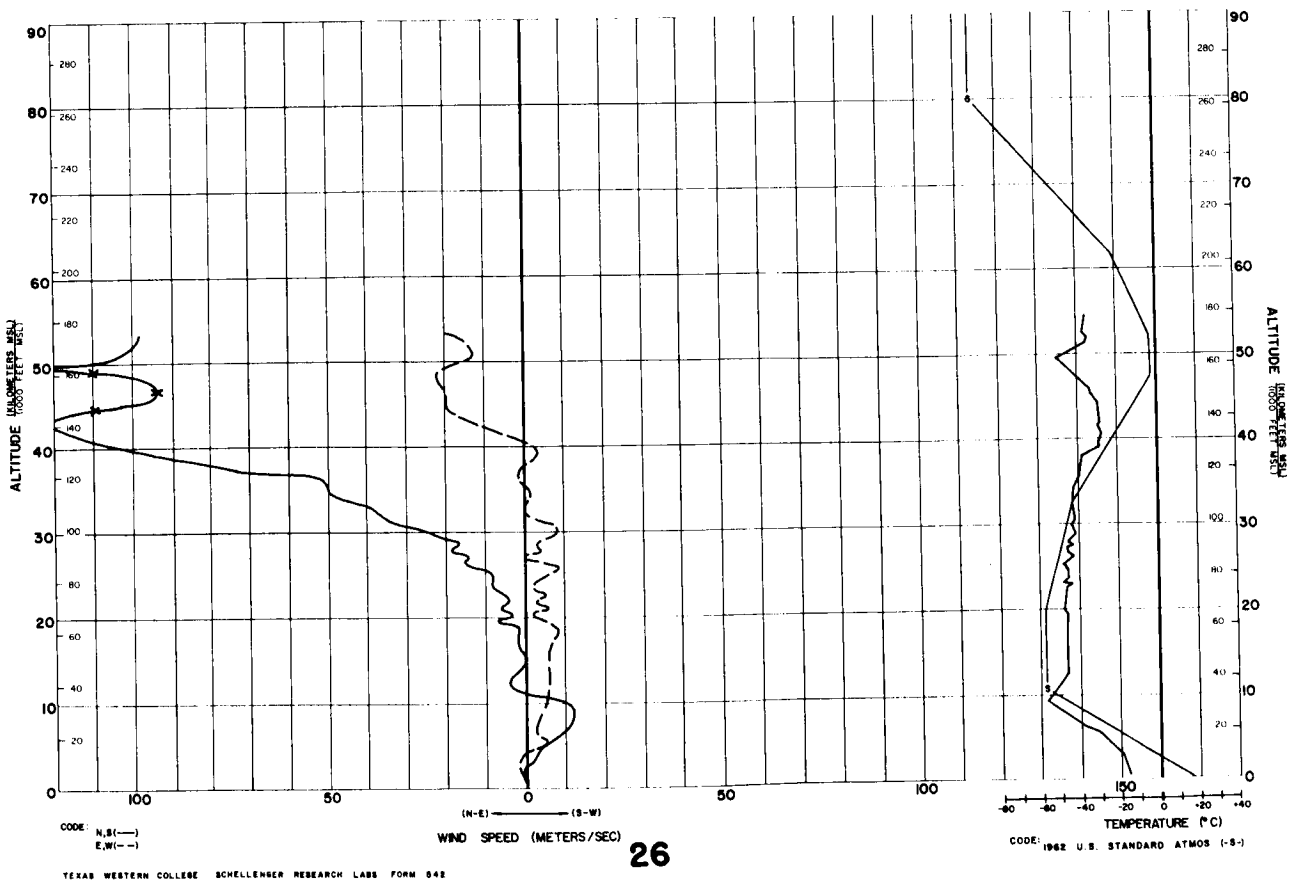
A MSL	TDC	PMB	D	SOS
5420	-35.6	00.383	00.561	309
5265	-37.2	00.477	00.704	308
5185	-34.8	00.534	00.780	309
5100	-36.0	00.602	00.884	309
4950	-50.3	00.750	01.172	299
4570	-34.4	01.305	01.904	310
4490	-34.4	01.461	02.132	310
4405	-30.4	01.646	02.362	312
4195	-29.0	02.201	03.141	313
4155	-29.9	02.327	03.332	313
4035	-27.8	02.746	03.898	314
3920	-29.8	03.218	04.607	313
3890	-28.7	03.355	04.780	313
3780	-38.0	03.917	05.802	307
3545	-38.9	05.493	08.168	307
3395	-42.5	06.831	10.317	304
3200	-43.7	09.098	13.814	304
3035	-42.3	11.596	17.499	305
2982	-43.8	12.536	19.041	304
2900	-43.1	14.146	21.421	304
2880	-42.0	14.568	21.955	305
2770	-45.0	17.133	26.160	303
2740	-44.1	17.912	27.242	303
2725	-46.1	18.315	28.101	302
2640	-46.1	20.792	31.901	302
2590	-43.3	22.392	33.938	304
2560	-45.9	23.411	35.888	302
2490	-47.7	25.998	40.172	301
2435	-45.5	28.228	43.196	302
2325	-45.6	33.255	50.911	302
2305	-46.6	34.264	52.687	302
2285	-44.1	35.299	53.687	303
2255	-46.6	36.912	56.759	302
1990	-48.4			
1930	-46.2			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0014.1	2896				-46.4
0017.6	2743	-018	+005		-46.5
0022.3	2591	-014	+005		-46.7
0027.9	2438	-011	+003		-46.7
0044.3	2134	-007	+006		-46.7
0070.2	1829	-002	+008		-46.6
0111.0	1524	+000	+006		-46.6
0175.9	1219	-004	+006		-46.5
0281.2	0914	+012	+004		-57.2
0446.3	0610	+008	+003		-37.8
0683.5	0305	+001	-002	95	-20.3
0969.4	0040	+000	+000	86	-15.8
0050.0	2053	-005	+006		-46.7
0100.0	1593	-001	+006		-46.6
0500.0	0531	+005	+005	37	-32.1
0700.0	0287	+000	-002	95	-18.8

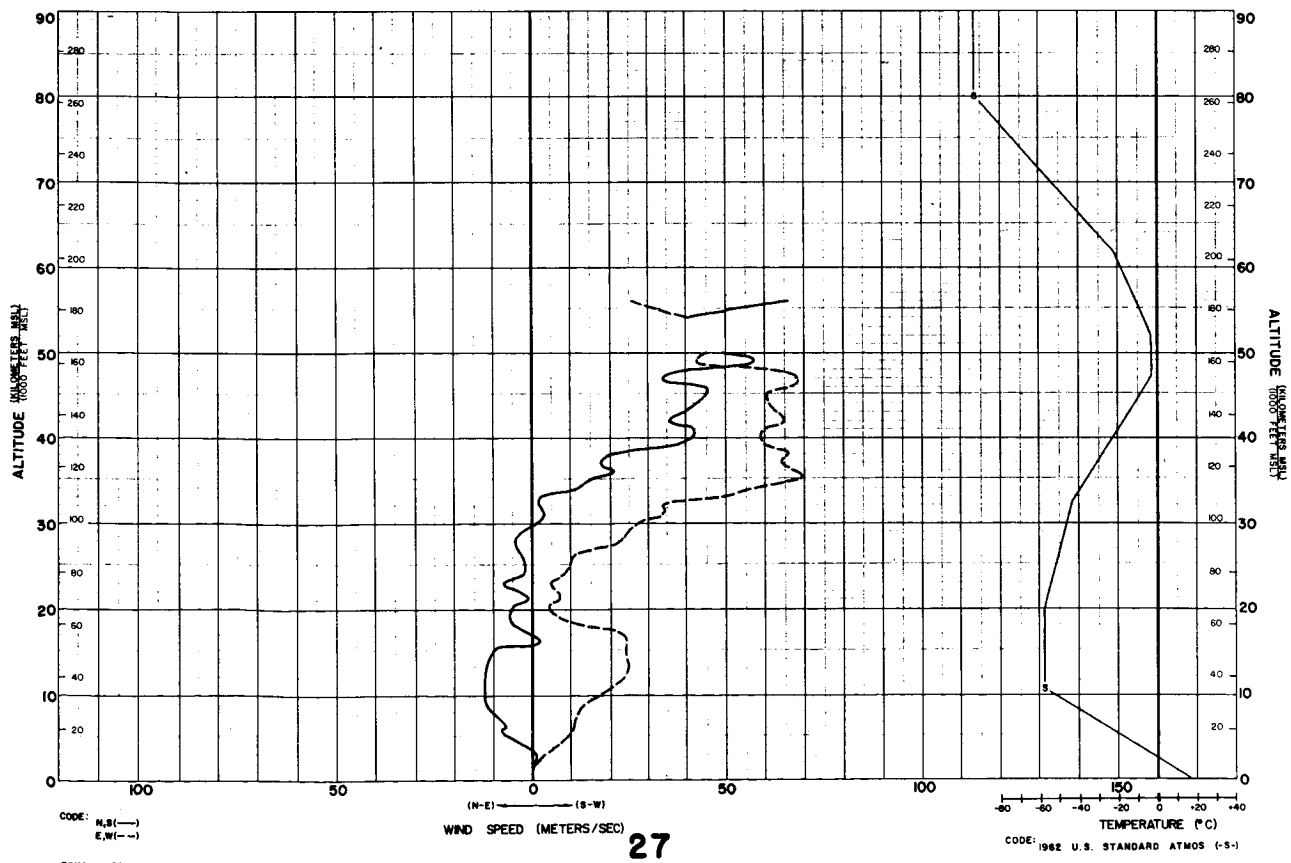


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 642

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 03	2000	+05	01	02	00			00	5600	5500			3
99999	WSMR, NEW MEXICO	66 02 03	2000	+05						03	5200	5200			3

ROCKET WINDS				THERMODYNAMICS				COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
134	5600	+066	+026										0016.7	2743	+000	+016		-60.2
126	5500	+053	+032										0021.3	2591	+000	+010		-59.6
119	5400	+041	+041										0027.2	2438	-005	+010		-61.4
	5200												0044.2	2134	-001	+007		-61.4
097	5000	+049	+045										0072.5	1829	-005	+012		-65.6
092	4900	+057	+043										0119.0	1524	-009	+024		-60.9
085	4800	+041	+061										0193.5	1219	-012	+024		-59.7
080	4700	+034	+068										0311.6	0914	-012	+014		-44.4
075	4600	+044	+067										0478.6	0610	-007	+011	39	-18.2
069	4500	+045	+061										0707.6	0305	+001	+003	24	+01.0
060	4300	+040	+063										0887.6	0122	+000	+000	33	+08.2
056	4200	+036	+065										0050.0	2050	-004	+004		-62.5
052	4100	+042	+060										0100.0	1627	+002	+024		-64.8
045	3900	+038	+060										0500.0	0576	-008	+011	37	-15.7
042	3800	+021	+066										0700.0	0313	+001	+003	23	+01.0
039	3700	+018	+064															
036	3600	+021	+067															
033	3500	+016	+069															
030	3400	+012	+058															
027	3300	+002	+050															
025	3200	+002	+034															
024	3100	+003	+034															
023	3000	+001	+027															
019	2800	-004	+023															
017	2600	-002	+011															
012	2400	-002	+008															
012	2300	-007	+005															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93111	PMR. POINT MUGU. CALIF.	66	02	03	2200	+01	03	02	07			00	5679	5679			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
091	5679	+050	+076
115	5335	+058	+072
101	5030	+042	+070
078	4795	+033	+073
064	4603	+037	+073
061	4420	+031	+061
044	4158	+008	+038
036	3942	-007	+023
032	3750	-003	+010
030	3567	-004	+010
027	3402	-003	+005
023	3262	-007	+003
022	3128	-009	+004
020	3006	-008	+007
018	2896	-004	+006
017	2792	-002	+005
016	2695	-003	+005
015	2603	-003	+005
014	2518	-002	+004
013	2442	-001	+002
013	2365	-001	+003
011	2234	+002	+003
010	2118	+002	+003
009	2012	+000	+004
008	1914	+001	+007
005	1782	+002	+014

THERMODYNAMICS

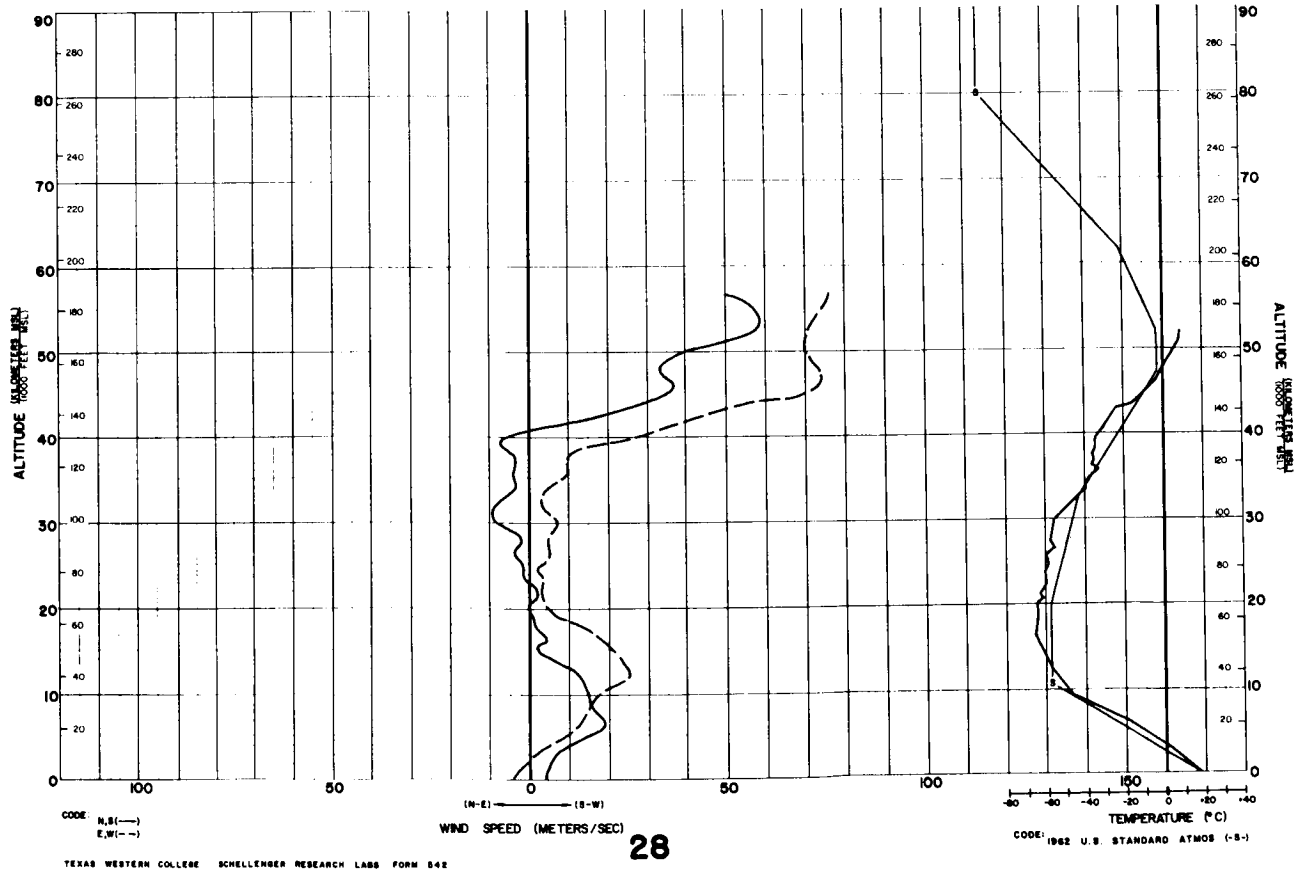
A MSL	TDC	PMB	D	SOS
5197	+09.0	00.550	00.689	336
5084	+08.0	00.630	00.792	336
4938	+04.0	00.260	00.960	333
4801	+01.0	00.900	01.150	332
4633	-02.3	01.110	01.436	330
4328	-16.0	01.650	02.241	321
4298	-24.4	01.720	02.414	316
4081	-30.4	02.320	03.339	312
3901	-34.2	03.000	04.376	310
3822	-34.2	03.360	04.900	310
3746	-35.6	03.740	05.497	309
3667	-34.4	04.190	06.127	309
3618	-35.5	04.500	06.600	309
3548	-33.4	04.970	07.232	310
3466	-37.3	05.590	08.272	307
3447	-37.4	05.740	08.498	307
3383	-39.6	06.310	09.414	306
3328	-39.3	06.830	10.186	306
3246	-43.5	07.710	11.708	303
2987	-55.3	11.450	18.320	296
2746	-57.2	16.720	26.992	294
2652	-55.8	19.410	31.121	295
2548	-59.5	22.870	37.305	293
2448	-58.5	26.850	43.586	293
2371	-60.5	30.320	49.690	292
2216	-59.2	38.890	63.333	293
2100	-62.3	46.840	77.408	291
2045	-61.1	51.180	84.096	292
1999	-64.5	55.120	92.047	289

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0006.6	3353	+003	+036		-43.2
0008.3	3200	-004	+009		-44.7
0010.4	3048	-007	-006		-47.7
0013.2	2896	-011	-002		-53.5
0016.7	2743	-003	+005		-59.9
0021.3	2591	-003	+000		-58.5
0027.1	2438	-007	+002		-59.4
0044.1	2134	+000	+000		-60.6
0072.1	1829	+002	+010		-64.8
0118.8	1524	+002	+020		-64.0
0192.1	1219	+012	+025	32	-56.8
0309.3	0914	+015	+016	51	-44.2
0475.3	0610	+018	+012	46	-19.4
0705.3	0305	+007	+002	21	+00.7
1020.0	0000	+004	-004	51	+16.5
0010.0	3064	-006	-002		-46.2
0050.0	2049	+000	+000		-61.1
0100.0	1626	+004	+018		-65.9
0300.0	0934	+015	+016	50	-45.8
0500.0	0571	+017	+011	31	-17.3
0700.0	0311	+007	+003	21	+00.4

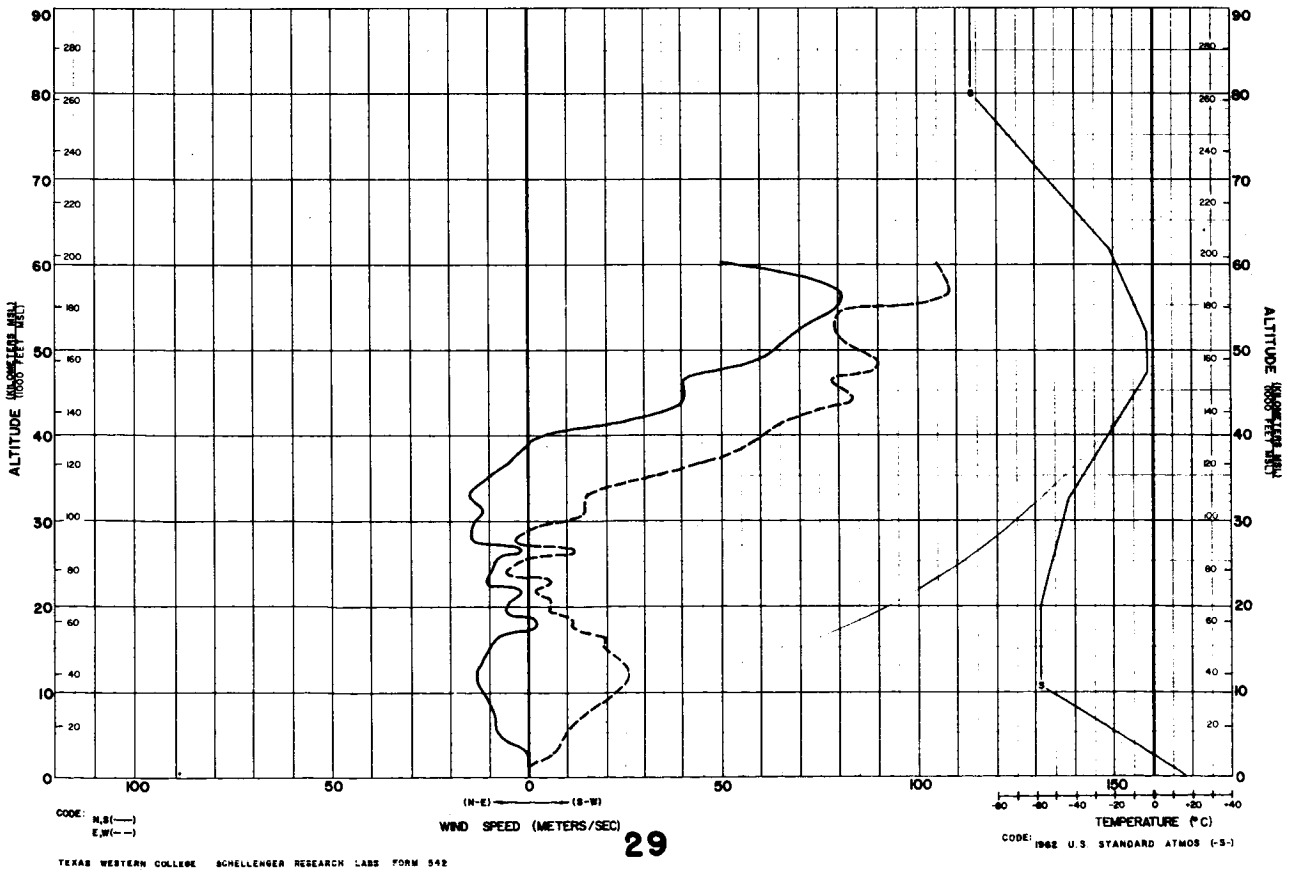


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93132	GREEN RIVER, UTAH	66	02	03	2300	-01	20	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
064	6011	+050	+105										0068.2	3200	-020	+006		-52.5
047	5677	+081	+108										0010.3	3048	-012	-001		-55.2
037	5425	+078	+081										0013.1	2896	-014	-001		-59.1
034	5215	+069	+079										0016.7	2743	-011	+003		-59.6
030	5025	+064	+084										0021.2	2591	-005	+000		-59.7
035	4831	+057	+090										0027.1	2438	-008	+007		-61.9
026	4650	+041	+078										0044.1	2134	-004	+006		-60.3
024	4429	+041	+083										0071.7	1829	-006	+012		-61.1
022	4153	+023	+066										0116.7	1524	-009	+019		-59.9
020	3901	+000	+058										0190.4	1219	-013	+026		-67.3
016	3685	-005	+045										0308.1	0914	-011	+020	31	-45.1
017	3488	-011	+030										0474.4	0610	-008	+012	54	-21.4
015	3298	-015	+015										0706.4	0305	-001	+007	27	-06.3
015	3114	-012	+014										0880.6	0130	+000	+000	41	+04.8
013	2943	-014	+003										0010.0	3054	-011	-001		-54.7
012	2790	-014	-003										0050.0	2048	-005	+004		-60.3
008	2669	-002	+012										0100.0	1617	-008	+019		-59.7
013	2544	-008	+000										0500.0	0570	-008	+011	53	-18.4
011	2402	-009	-006										0700.0	0312	-001	+007	28	-06.1
008	2292	-011	+006															
012	2175	-002	+002															
010	2044	-005	+006															
007	1940	-006	+006															
008	1849	+002	+012															
006	1785	+002	+012															

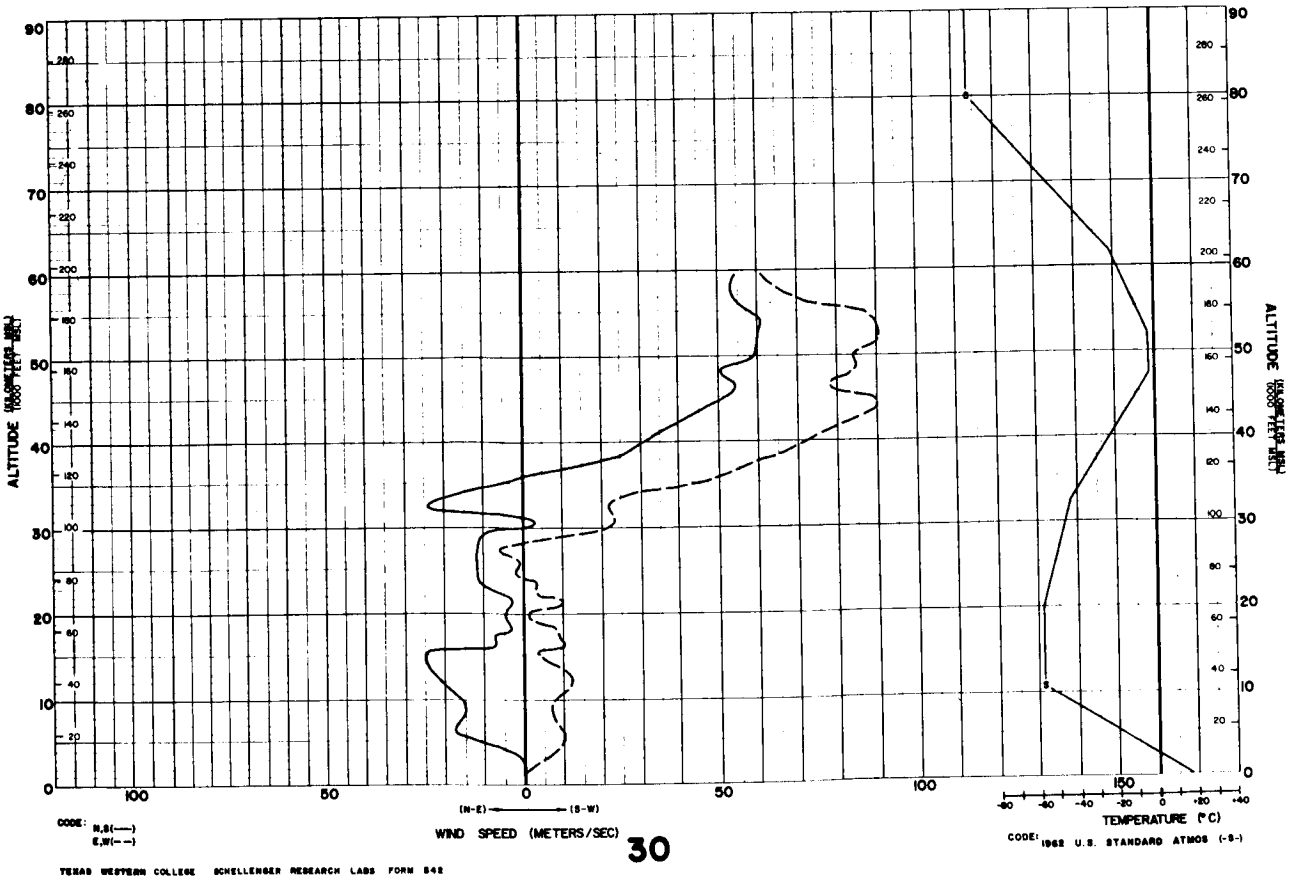


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
93132	GREEN RIVER, UTAH	66 02 04	0705	+00	20	01	00								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
062	5963	+054	+061										0071.7	1829				-61.9
046	5639	+054	+072										0117.1	1524	-024	+003		-61.2
037	5390	+061	+089										0191.6	1219	-021	+012		-64.4
031	5185	+060	+090										0308.0	0914	-015	+007	41	-44.8
030	4999	+059	+084										0475.1	0610	-017	+010	62	-20.8
027	4825	+051	+084										0707.0	0305	-001	+005	36	-03.5
025	4666	+054	+078										0881.2	0130	+000	+000	74	-03.3
027	4429	+048	+090										0100.0	1618	-024	+004		-63.3
023	4130	+036	+078										0500.0	0572	-016	+010	59	-17.9
019	3877	+027	+067										0700.0	0313	-001	+005	37	-03.4
017	3662	+006	+054															
016	3466	-011	+040															
017	3266	-024	+022															
018	3057	+003	+023															
011	2885	-011	+008															
012	2745	-012	-006															
012	2600	-012	-001															
011	2466	-012	-002															
010	2341	-011	+003															
010	2222	-006	+003															
007	2123	-003	+010															
009	2026	-004	+002															
009	1914	-004	+002															
008	1811	-003	+008															
008	1713	-007	+009															
005	1632	-007	+010															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 04	0705	+04	01	02	12								3

ROCKET WINDS / THERMODYNAMICS

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
154	5803	+014	+043	5496	-12.8	00.388	00.519	323
153	5800	+014	+043	5408	-11.8	00.435	00.579	324
122	5700	+008	+038	5364	-09.4	00.460	00.607	326
105	5600	+019	+052	5313	-10.3	00.491	00.650	325
093	5400	+038	+056	5202	-06.8	00.565	00.738	327
090	5300	+034	+057	5127	-08.0	00.621	00.816	326
086	5200	+031	+063	4956	+02.3	00.768	00.971	333
080	5100	+042	+058	4890	-05.4	00.834	01.084	328
076	5000	+046	+055	4813	-05.8	00.919	01.197	328
072	4900	+056	+053	4759	-10.7	00.984	01.305	325
068	4800	+048	+063	4673	-13.2	01.099	01.473	323
057	4600	+040	+067	4625	-13.6	01.170	01.570	323
055	4546	+046	+063	4542	-20.7	01.305	01.800	319
048	4372	+054	+062	4474	-19.5	01.428	01.961	319
047	4300	+047	+064	4435	-22.0	01.505	02.087	318
044	4200	+042	+059	4348	-19.9	01.690	02.324	319
041	4100	+039	+062	4306	-20.0	01.787	02.459	319
037	4000	+028	+068	4278	-18.0	01.855	02.532	320
035	3900	+030	+067	4255	-17.8	01.912	02.608	320
032	3800	+032	+063	4188	-21.5	02.090	02.893	318
029	3700	+014	+044	4116	-22.5	02.303	03.200	317
027	3600	+009	+033	4066	-20.4	02.462	03.393	319
026	3500	+007	+025	3981	-30.1	02.764	03.961	313
024	3400	+001	+023	3930	-29.0	02.966	04.232	313
022	3300	+004	+022	3882	-32.3	03.171	04.586	311
020	3200	-001	+022	3789	-27.3	03.608	05.112	314
018	3100	-005	+021	3742	-27.7	03.849	05.462	314
016	3000	-001	+025	3727	-29.5	03.929	05.617	313
013	2800	+002	+015	3573	-35.8	04.878	07.159	309
010	2600	-002	+010	3547	-35.6	05.062	07.423	309
008	2400	-003	+007	3534	-36.8	05.156	07.600	308
006	2208	-010	+006	3490	-36.0	05.491	08.065	309
007	2200	-003	+007	3420	-40.6	06.072	09.096	306
006	2100	+006	+007	3365	-41.3	06.579	09.884	305
006	2030	-001	+001	3295	-45.2	07.292	11.144	303
006	2019	+000	+005	3059	-48.8	10.379	16.116	300
				2956	-56.2	12.155	19.518	295
				2763	-57.0	16.437	26.491	295
				2349	-57.8	31.495	50.949	294
				2003	-60.2			

COMPOSITION

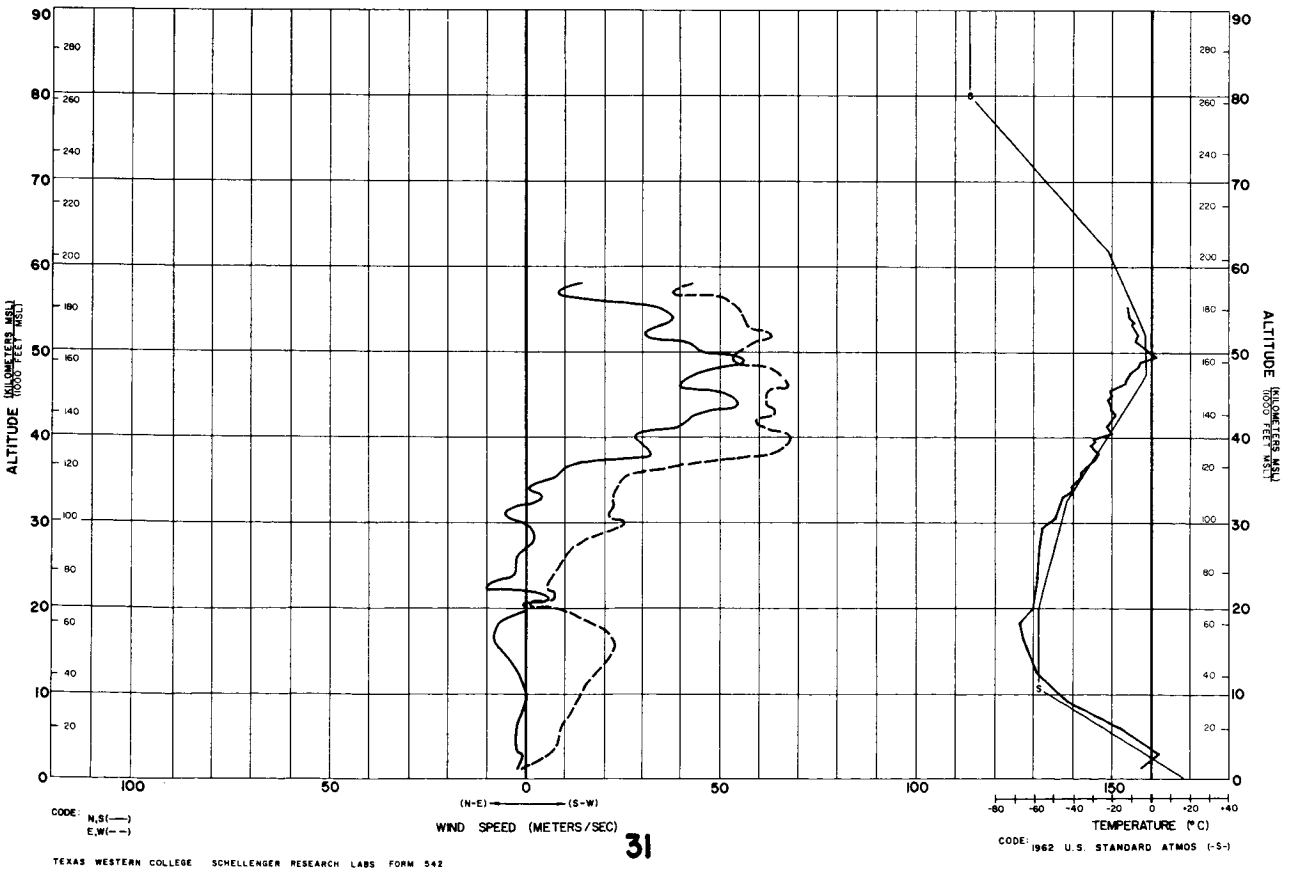
A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0016.7	2743				-60.7
0021.3	2591	-002	+013		-59.4
0027.2	2438	-002	+009		-59.7
0044.5	2134	-006	+007		-63.8
0073.0	1829	-007	+017		-67.9
0120.1	1524	-007	+022		-63.5
0195.0	1219	-002	+017		-58.3
0312.5	0914	+000	+013	16	-43.2
0477.7	0610	-002	+009	19	-18.1
0708.7	0305	-001	+006	10	+03.8
0889.0	0122	-002	-001	34	-05.0
0050.0	2057	-004	+011		-64.8
0100.0	1632	-008	+022		-66.1
0500.0	0579	-002	+009	18	-15.2
0700.0	0315	-002	+007	10	+03.3

THERMODYNAMICS (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
				1960	-59.5			
				1889	-61.8			
				1667	-64.0			



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12714	AFETR, GRAND TURK ISLAND AAFB	66 02 04	1415	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
116	5822	+015	+000
114	5791	+014	-002
106	5639	+007	-011
097	5486	+004	-015
087	5334	+001	-019
081	5182	-002	-018
072	5029	-001	-014
066	4877	-001	-019
060	4724	-004	-027
054	4572	-005	-032
051	4420	-004	-033
044	4267	+000	-027
041	4115	+001	-025
035	3962	+003	-023
031	3810	-003	-016
028	3658	+001	-009
025	3505	+001	-015
022	3353	-011	-008
018	3200	+001	-008
017	3048	-001	-016
014	2896	-003	-016
012	2743	+001	-021
010	2591	-001	-016
009	2438	-007	-008

THERMODYNAMICS

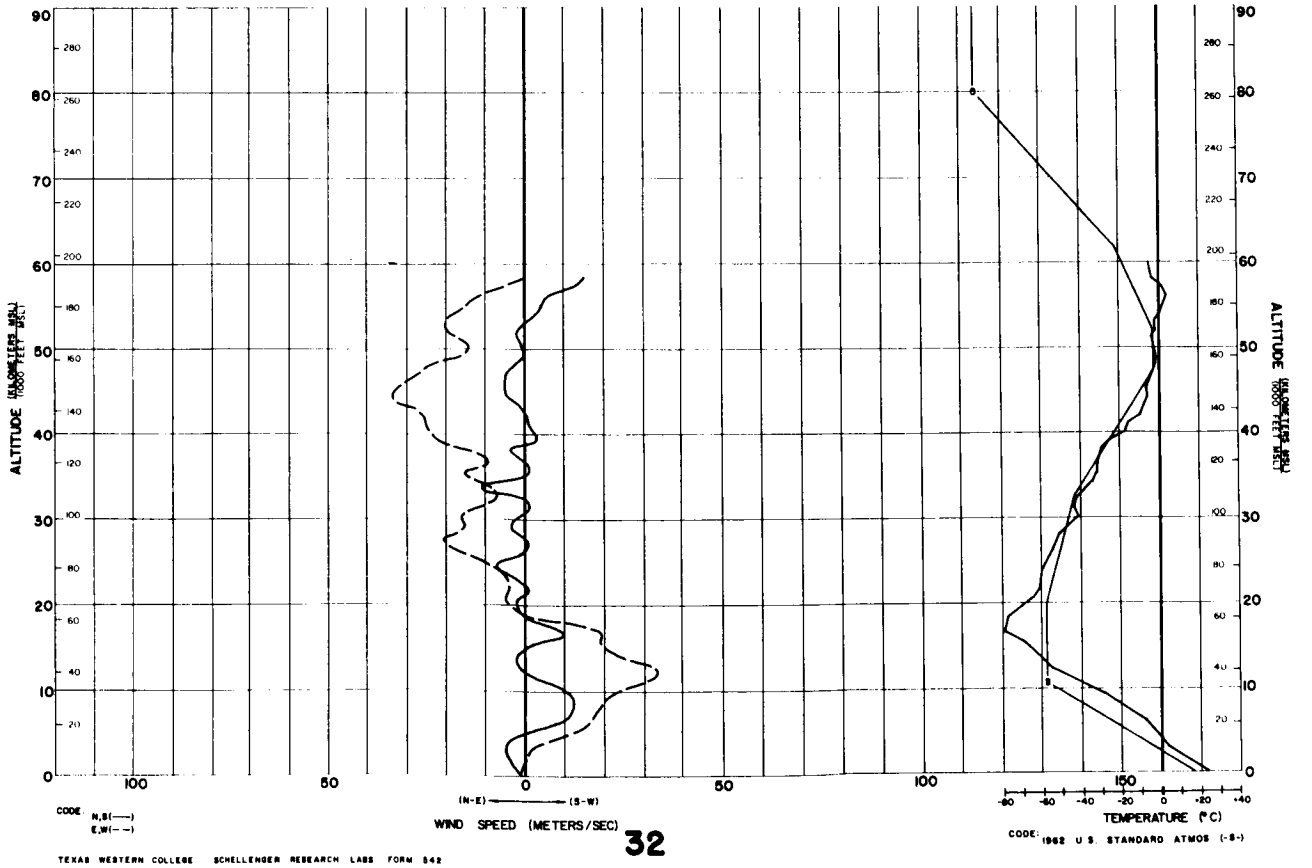
A MSL	TDC	PMB	D	SOS
6000	-05.1	00.237	00.308	329
5900	-04.2	00.268	00.347	329
5800	-03.3	00.304	00.392	330
5700	+02.2	00.343	00.434	333
5600	+03.8	00.388	00.487	334
5500	+02.8	00.437	00.552	333
5400	+00.3	00.494	00.630	332
5300	-01.5	00.559	00.717	331
5200	-01.4	00.632	00.810	331
5100	-03.8	00.716	00.925	329
5000	-02.7	00.810	01.044	330
4900	-01.4	00.917	01.175	331
4800	-01.5	01.037	01.330	331
4700	-04.0	01.175	01.520	329
4600	-04.7	01.331	01.727	329
4500	-06.2	01.509	01.969	328
4400	-05.7	01.711	02.229	328
4300	-06.8	01.941	02.538	328
4200	-09.0	02.203	02.905	326
4100	-15.3	02.506	03.386	322
4000	-17.2	02.856	03.888	321
3900	-24.4	03.264	04.571	317
3800	-29.5	03.742	05.361	313
3700	-31.7	04.299	06.204	312
3600	-31.8	04.943	07.135	312
3500	-31.9	05.684	08.208	312
3400	-34.2	06.541	09.536	310
3300	-38.8	07.542	11.212	307
3200	-42.1	08.719	13.146	305
3100	-42.8	10.092	15.262	305
3000	-41.1	11.678	17.532	306
2800	-50.9	15.703	24.615	299
2600	-53.8	21.328	33.874	297
2400	-58.9	29.120	47.350	294

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0011.0	3048	-001	-016		-46.0
0013.8	2896	-003	-016		-47.4
0017.4	2743	-004	-016		-49.2
0021.9	2591	-003	-017		-53.3
0027.8	2438	-007	-007		-57.0
0045.0	2134	+001	-004		-60.8
0074.6	1829	+000	+006		-77.2
0126.5	1524	+002	+019		-69.9
0206.3	1219	-001	+033	25	-53.5
0322.9	0914	+012	+021	13	-29.4
0484.5	0610	+008	+016	11	-08.0
0708.7	0305	-005	+002	67	+03.8
1014.9	0000	-001	-001	89	+22.9
0010.0	3091	+001	-013		-45.9
0050.0	2058	-002	-005		-64.3
0100.0	1654	+010	+019		-79.6
0500.0	0583	+006	+016	11	-06.7
0700.0	0314	-003	+002	66	+02.9

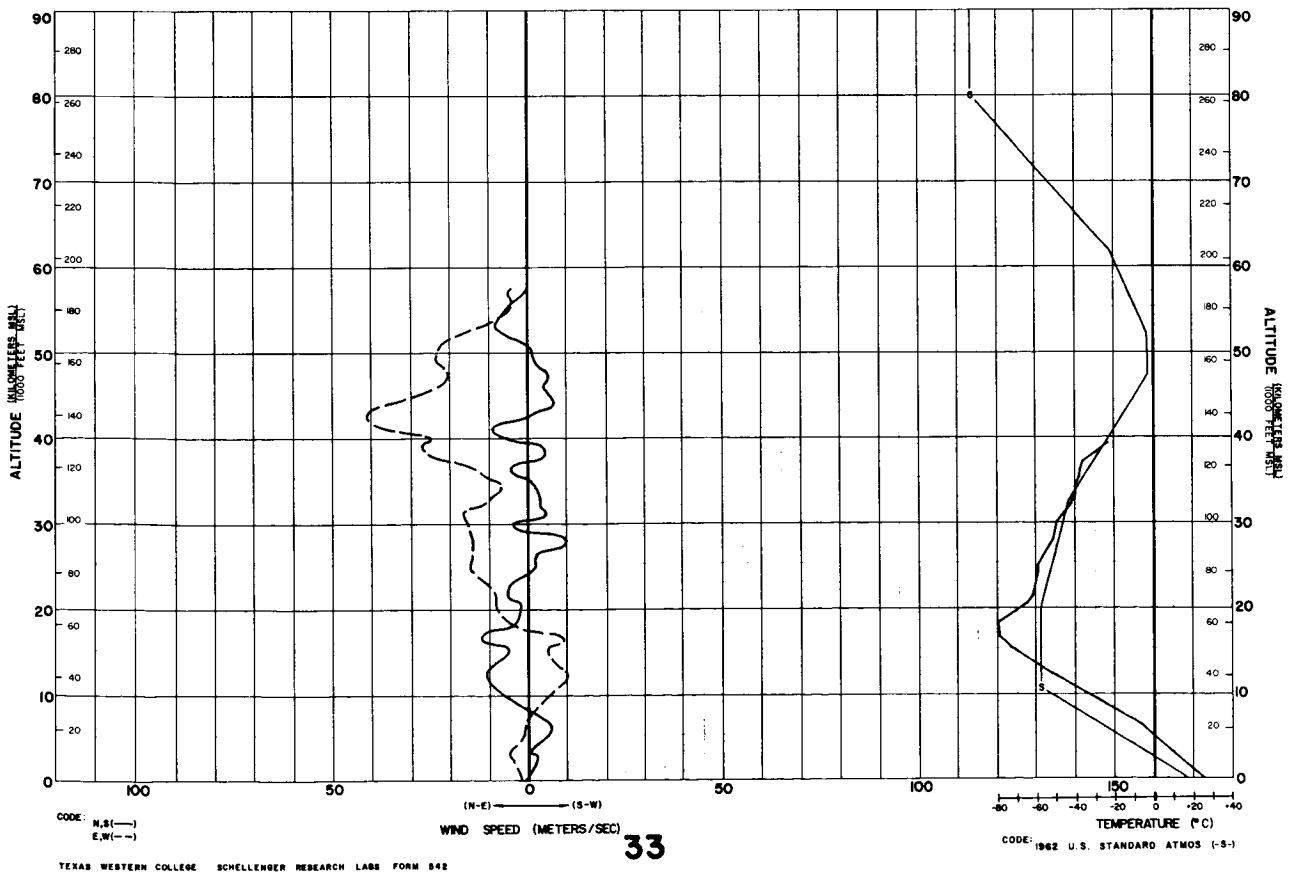


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 04	1507	-04	01	02	12								1

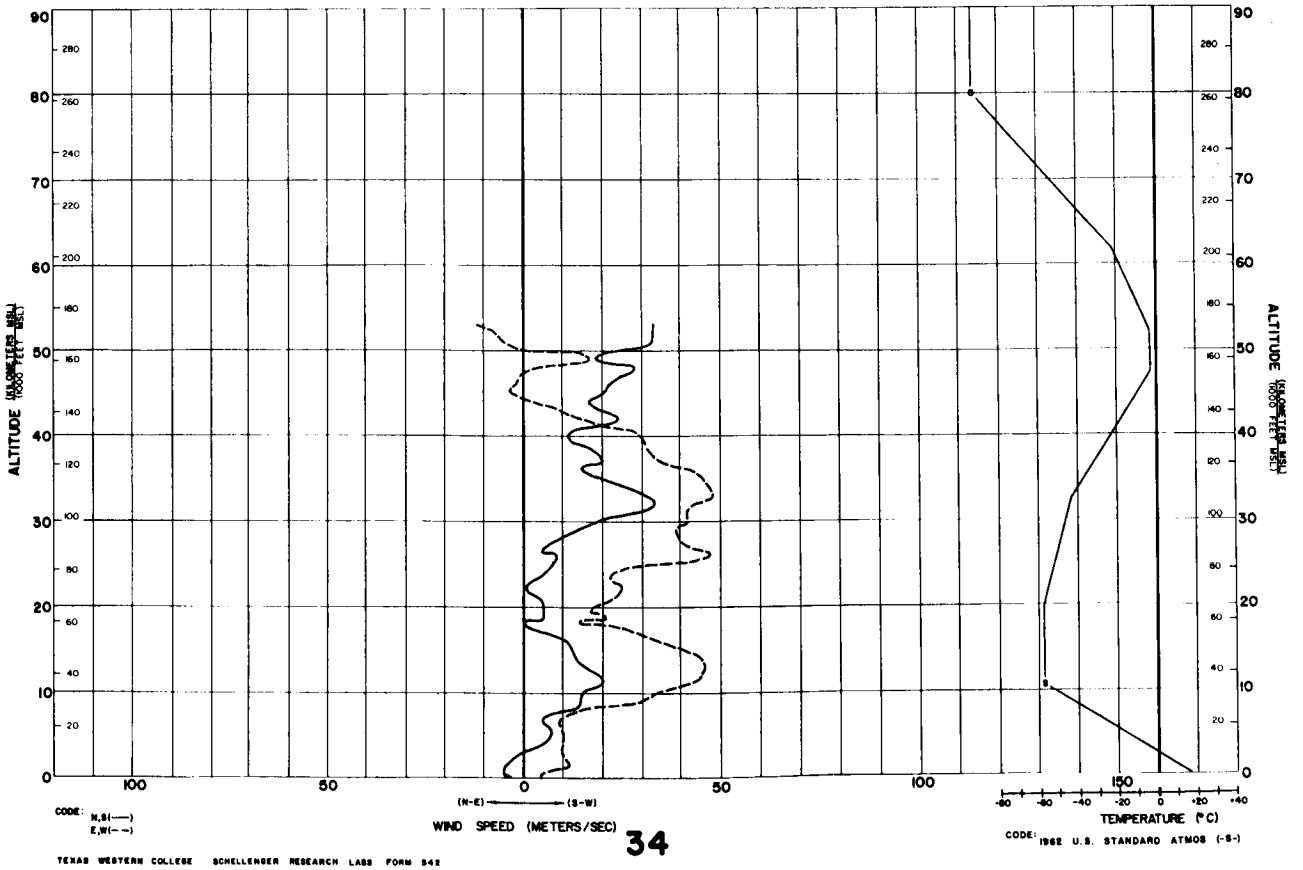
ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
125	5750	+000	-004	3900	-22.6	03.221	04.473	318					0021.9	2591	+003	-014		-55.9
123	5700	-001	-005	3800	-28.1	03.691	05.234	314					0027.8	2438	-001	-014		-57.8
116	5600	-003	-004	3700	-35.7	04.247	06.222	309					0045.0	2134	-005	-008		-61.4
108	5500	-005	-004	3600	-37.2	04.898	07.232	308					0074.9	1829	-003	-004		-79.9
100	5400	-007	-007	3500	-37.6	05.651	08.357	308					0127.4	1524	-005	+005		-72.7
094	5300	-008	-012	3400	-40.1	06.526	09.757	306					0208.1	1219	-011	+010	24	-52.0
088	5200	-006	-018	3300	-39.9	07.539	11.270	307					0325.1	0914	-003	+003	20	-27.9
083	5100	-002	-022	3200	-41.9	08.718	13.153	305					0487.2	0610	+006	-001	18	-05.3
078	5000	+001	-023	3100	-45.0	10.100	15.423	303					0710.0	0305	+002	-005	19	+10.4
073	4900	+002	-023	3000	-48.4	11.722	18.170	301					1014.8	0000	-001	-002	68	+24.9
068	4800	+003	-021	2800	-51.9	15.860	24.961	299					0050.0	2058	-002	-008		-64.6
063	4700	+005	-021	2600	-55.9	21.577	34.577	296					0100.0	1656	-012	+009		-79.0
059	4600	+004	-022	2450	-58.7	27.277	44.313	294					0500.0	0588	+006	-001	17	-04.3
055	4500	+005	-027										0700.0	0316	+001	-005	19	+09.7
052	4400	+007	-034															
048	4300	+003	-041															
044	4200	-003	-041															
041	4100	-009	-034															
037	4000	-006	-025															
035	3900	+003	-027															
033	3800	+004	-026															
030	3700	-002	-018															
027	3600	-004	-013															
025	3500	-001	-010															
023	3400	+002	-007															
022	3300	+003	-009															
020	3200	+003	-012															
018	3100	+004	-017															
017	3000	-003	-016															
013	2800	+010	-014															
011	2600	+002	-014															
009	2475	+002	-015															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 04	1526	-04	06	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
035	5300	+033	-012										0010.5	3034				-44.4
026	5200	+033	-007										0019.5	2631	+005	+044		-56.8
025	5100	+033	-005										0020.0	2615	+008	+047		-57.0
028	5000	+024	+001										0030.0	2359	+004	+022		-60.2
027	4900	+018	+017										0037.0	2228	+001	+025		-61.9
023	4800	+028	+004										0057.0	1956	+005	+017		-59.2
022	4700	+025	-001										0059.0	1933	+005	+019		-61.9
023	4600	+022	-002										0064.0	1884	+005	+021		-58.0
023	4500	+021	-003										0070.0	1827	+000	+014		-59.9
021	4400	+017	+002										0074.0	1793	+001	+020		-60.8
021	4300	+019	+008										1018.2	0000	-003	+004	76	-04.4
020	4200	+024	+014										0050.0	2039	+005	+021		-60.0
017	4100	+018	+022										0100.0	1601	+011	+033		-55.3
016	4000	+012	+029										0150.0	1340	+014	+046		-50.0
017	3900	+013	+031										0200.0	1149	+020	+044		-45.8
016	3800	+018	+032										0250.0	1000	+015	+033		-45.0
016	3700	+020	+034										0300.0	0877	+014	+027		-45.6
015	3600	+015	+040										0400.0	0685	+005	+009		-45.0
014	3500	+018	+045										0500.0	0532	+007	+010	70	-34.3
014	3400	+025	+047										0700.0	0288	-001	+010	54	-16.7
013	3300	+031	+048										0850.0	0141	-004	+012	71	-11.3
011	3200	+033	+045										1000.0	0015	-005	+004	52	-02.9
012	3100	+029	+042															
012	3000	+019	+042															
011	2900	+014	+039															

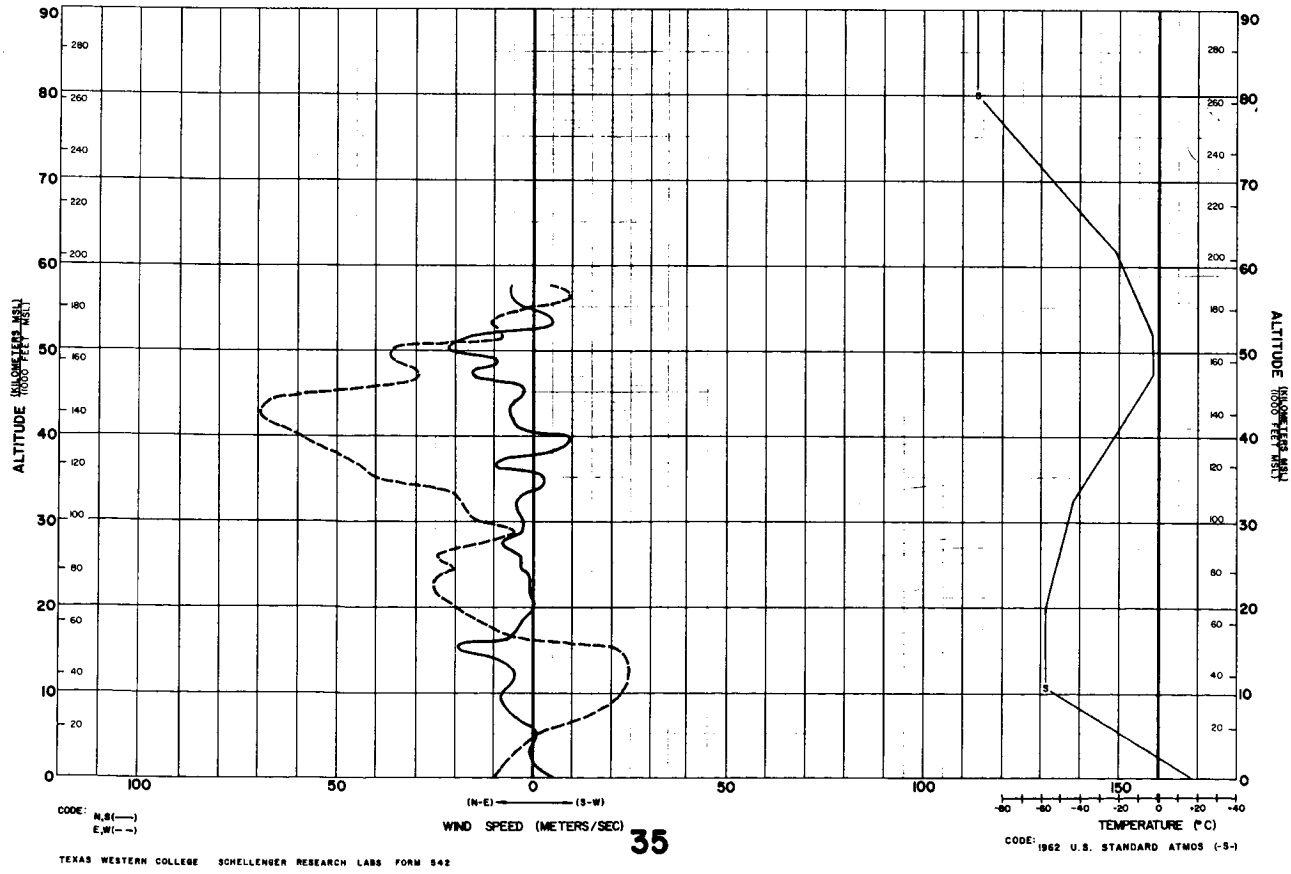


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 04	1600	-05	01	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
124	5761	-006	+004										0008.8	3200				-43.8
117	5639	-006	+009										0011.0	3048	-005	-012		-44.6
105	5486	-002	-002										0013.8	2896	-003	-009		-46.4
092	5334	+005	-011										0017.3	2743	-002	-015		-48.5
084	5182	-016	-008										0027.5	2438	-001	-019		-56.3
077	5029	-022	-036										0044.8	2134	-001	-024		-64.8
061	4877	-009	-035										0074.5	1829	-003	-013		-78.5
065	4724	-016	-029										0126.1	1524	-019	+019		-69.8
056	4572	-003	-042										0205.6	1219	-005	+024		-54.0
052	4420	-004	-066										0322.2	0914	-008	+021	30	-32.2
047	4267	-006	-069										0485.9	0610	-001	+007	48	-09.2
038	4115	-004	-065										0709.6	0305	-001	-004	47	+10.2
037	3962	+009	-058										1003.1	0008	+005	-009	72	+26.7
029	3810	+004	-051										0010.0	3089	-006	-014		-44.4
028	3658	-009	-044										0050.0	2056	+000	-022		-65.3
025	3505	+002	-041										0100.0	1653	-006	-005		-78.0
022	3353	+000	-022										0500.0	0586	+000	+005	42	-08.0
019	3200	-004	-018										0700.0	0315	-001	-004	54	+09.5
012	3048	-003	-016															
015	2896	-003	-005															
012	2743	-008	-015															
011	2591	-003	-024															
008	2438	-003	-021															
008	2408	-002	-023															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
93111	PMR. POINT MUGU. CALIF.	66 02 04	1725	+00	16	02	07			00	5548	5548			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
045	5548	+059	+044
091	5274	+065	+077
086	5015	+061	+080
095	4731	+050	+087
038	4618	+047	+078
056	4451	+054	+081
053	4289	+040	+073
047	4006	+016	+055
038	3774	+015	+033
033	3576	+002	+021
030	3396	-005	+013
025	3243	-004	+003
022	3109	-005	-008
020	2987	-004	-009
019	2875	-004	-005
017	2774	-002	-002
016	2679	-000	-002
015	2591	-001	-001
015	2503	-002	-001
013	2426	-002	+000
012	2356	-002	+002
011	2289	-001	+003
010	2167	+001	+002
009	2057	+002	+003
008	1960	+003	+007

THERMODYNAMICS

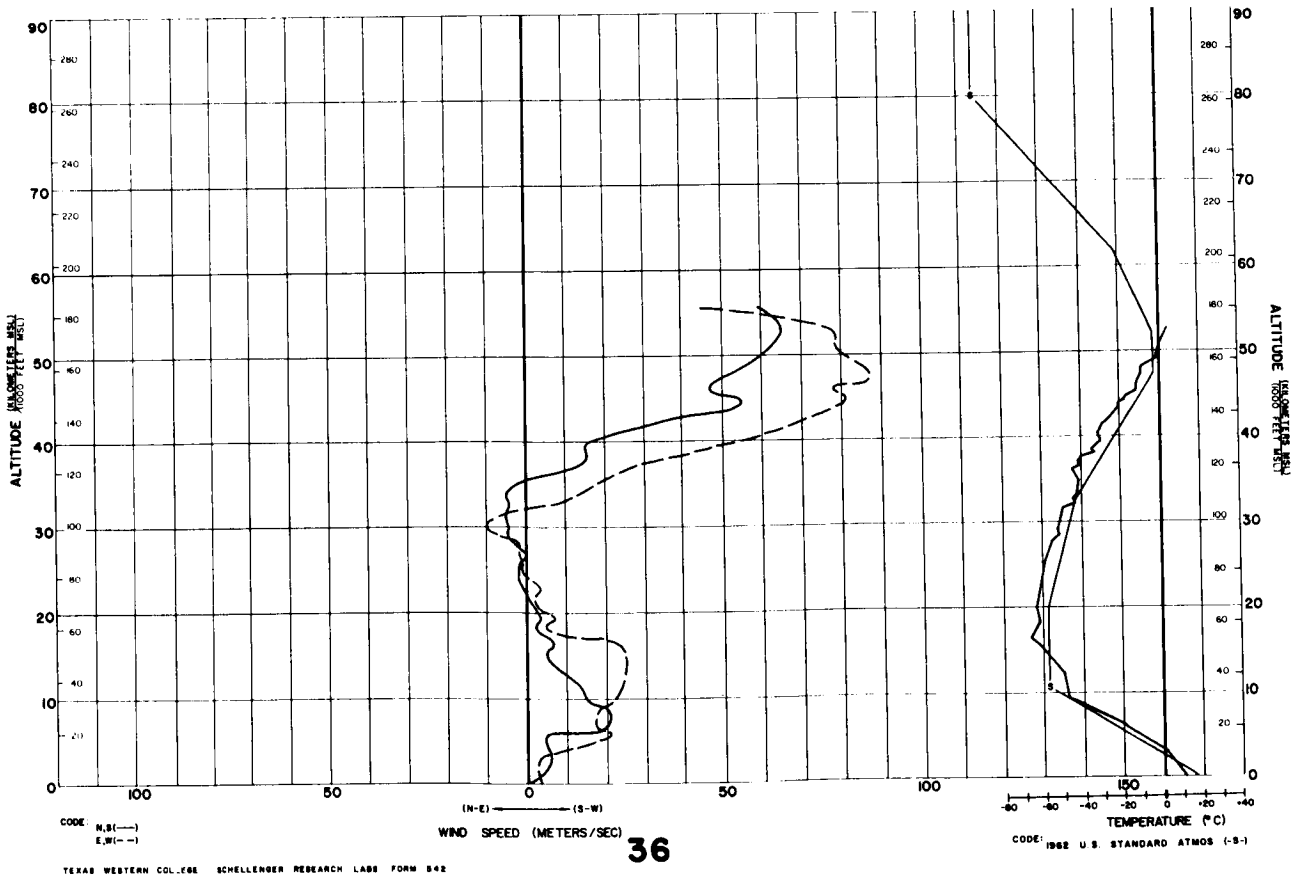
A MSL	TDC	PMB	D	SOS
5273	+04.0	00.490	00.617	333
5166	+02.5	00.560	00.708	332
4998	-01.8	00.690	00.886	330
4880	-02.5	00.800	01.032	329
4795	-08.7	00.890	01.177	326
4718	-08.9	00.980	01.300	326
4630	-11.7	01.100	01.473	324
4496	-13.3	01.310	01.766	323
4450	-16.5	01.390	01.899	321
4401	-16.7	01.490	02.028	321
4386	-20.5	01.520	02.101	318
4322	-20.8	01.660	02.293	318
4267	-24.3	01.780	02.506	316
4191	-25.5	01.980	02.795	315
4164	-28.2	02.060	02.936	313
4142	-28.2	02.120	03.024	313
4026	-31.2	02.500	03.601	311
3920	-29.7	02.900	04.157	312
3834	-35.1	03.270	04.798	309
3804	-34.3	03.420	04.995	309
3755	-39.9	03.670	05.488	306
3709	-41.7	03.920	05.914	305
3658	-40.8	04.230	06.358	305
3609	-45.0	04.550	06.960	302
3466	-41.7	05.630	08.486	305
3307	-42.5	07.120	10.761	304
3243	-44.3	07.830	11.927	303
3200	-43.8	08.340	12.681	303
3158	-48.7	08.900	13.817	300
2914	-52.4	12.930	20.414	297
2841	-51.8	14.470	22.792	298
2774	-55.2	16.060	25.688	296
2502	-58.8	24.650	40.082	293
1987	-63.6	56.510	93.965	290

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0006.7	3353	-002	+017		-45.3
0008.4	3200	-006	+006		-45.7
0010.6	3048	-006	-004		-49.8
0013.4	2896	-001	-006		-50.3
0017.0	2743	-002	-004		-53.8
0021.5	2591	+000	-003		-57.5
0027.4	2438	-001	-005		-60.3
0044.5	2134	+002	+005		-60.6
0072.7	1829	+002	+005		-63.1
0119.6	1524	+005	+024		-61.4
0191.9	1219	+012	+024		-50.2
0308.1	0914	+019	+018	35	-46.0
0474.6	0610	+018	+018	52	-19.9
0704.6	0305	+006	+003	68	+00.7
1020.0	0000	+000	+003	99	+10.6
0010.0	3078	-005	+000		-49.5
0050.0	2055	+001	+002		-61.3
0100.0	1630	+007	+023		-65.9
0300.0	0931	+016	+021	34	-47.8
0500.0	0570	+005	+021	60	-17.8
0700.0	0310	+006	+004	72	+00.3



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 04	1805	-07	20	01	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
102	6432	+010	+012
070	6174	+010	+012
062	5976	+021	+026
046	5814	+042	+030
038	5631	+057	+033
037	5406	+054	+028
033	5197	+050	+026
028	5016	+051	+030
027	4851	+046	+047
024	4699	+037	+045
024	4554	+040	+046
019	4423	+039	+045
023	4297	+047	+049
020	4169	+030	+052
021	4047	+026	+058
017	3932	+030	+053
017	3828	+015	+064
016	3728	+024	+063
028	3595	+024	+068
015	3420	+016	+053
015	3235	+008	+026
013	3063	-003	+015
013	2908	-007	+012
013	2757	-002	+011
010	2620	+000	+010
010	2496	-003	+010
007	2393	+003	+017
009	2295	+000	+007
009	2189	-001	+005

THERMODYNAMICS

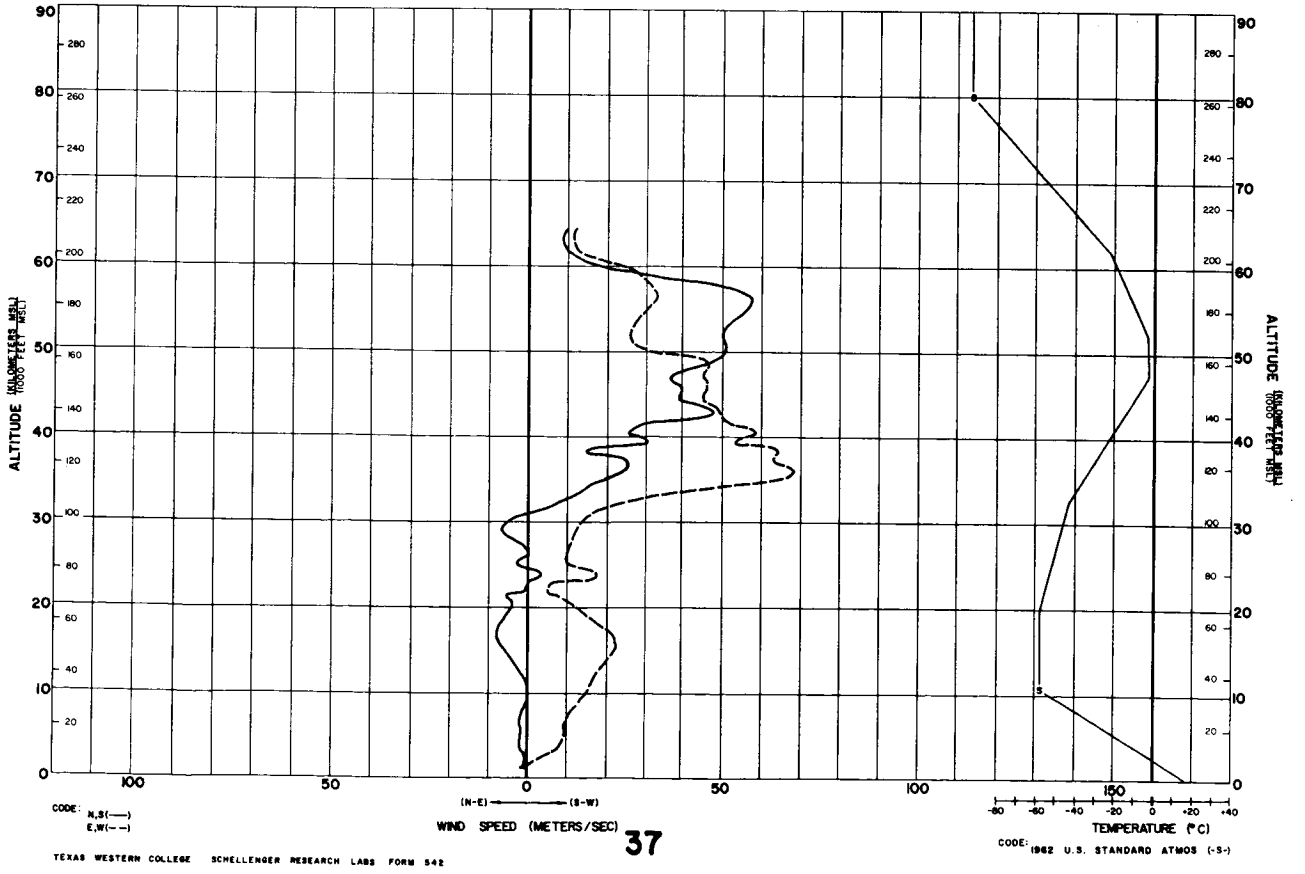
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0016.7	2743				-60.7
0021.3	2591	-002	+013		-59.4
0027.2	2438	-002	+009		-59.7
0044.5	2134	-006	+007		-63.8
0073.0	1829	-007	+017		-67.9
0120.1	1524	-007	+022		-63.5
0195.0	1219	-002	+017		-58.3
0312.5	0914	+000	+013	16	-43.2
0477.7	0610	-002	+009	19	-18.1
0708.7	0305	-001	+006	10	+03.8
0889.0	0122	-002	-001	34	-05.0
0050.0	2057	-004	+011		-64.8
0100.0	1632	-008	+022		-66.1
0500.0	0579	-002	+009	18	-15.2
0700.0	0315	-002	+007	10	+03.3



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 04	2000	-03	01	02	12			01			4933	4732	1

ROCKET WINDS

FV	A MSL	COMP	WNDS
107	5451	-074	-041
084	5164	-074	-042
070	4933	-108	-054
058	4654	-098	-037
045	4345	-090	-022
037	4100	-073	-020
032	3895	-063	-013
029	3708	-061	-008
024	3553	-049	-008
023	3410	-048	-001
021	3278	-047	+000
019	3158	-042	-002
016	3052	-039	+000
014	2962	-030	+000
017	2870	-028	+000
011	2788	-022	+001
014	2715	-023	+000
011	2642	-020	+005
010	2551	-015	+006
009	2436	-011	+006
008	2330	-014	+006
007	2238	-010	+009
006	2158	-004	+008
006	2083	-004	+009
006	2010	-004	+006
006	1939	-006	+010
005	1872	-005	+009

THERMODYNAMICS

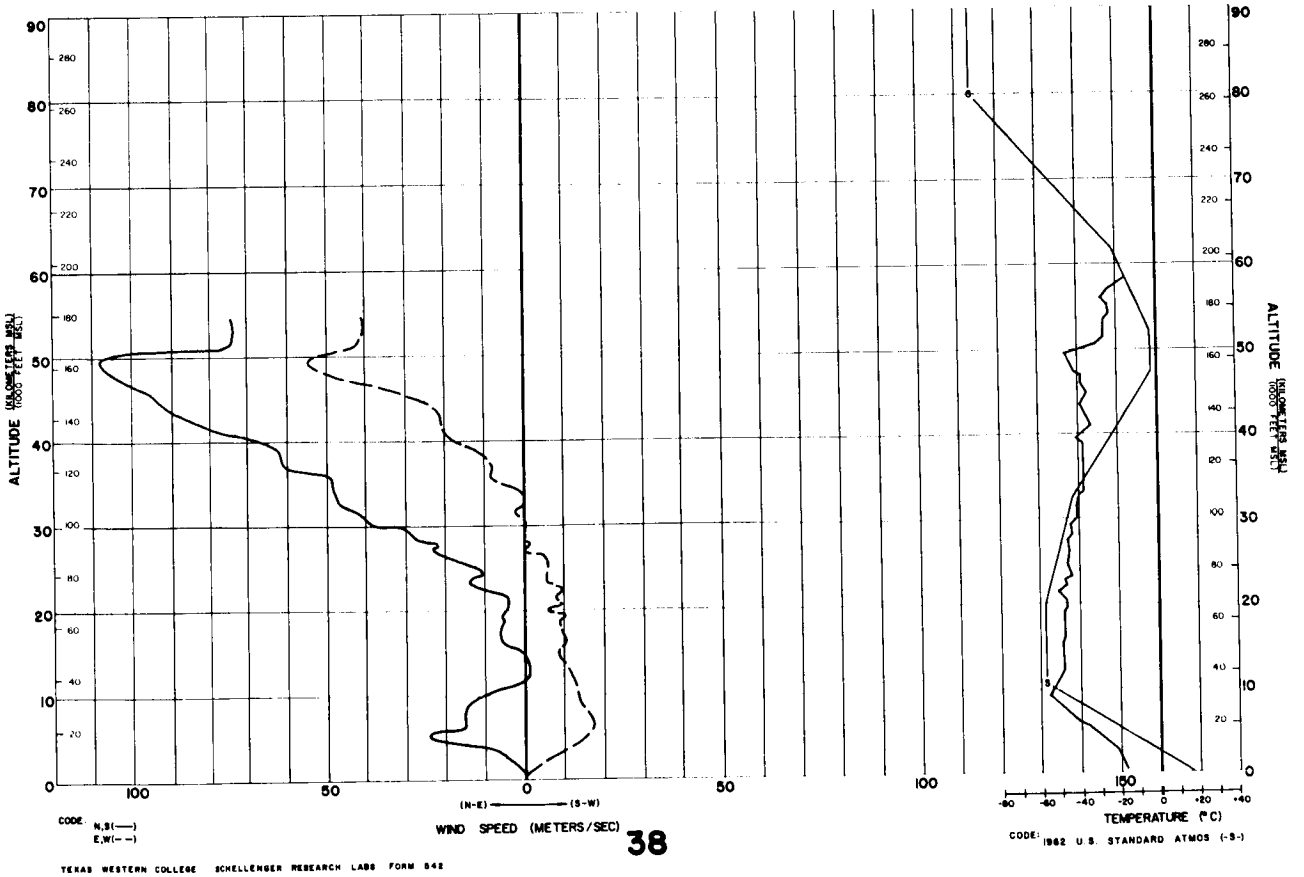
A MSL	TDC	PMB	D	SOS
5815	-16.3	00.219	00.297	321
5685	-24.9	00.260	00.365	316
5590	-27.7	00.296	00.420	314
5490	-24.5	00.339	00.475	316
5400	-23.6	00.383	00.535	317
5336	-27.4	00.418	00.592	314
5158	-26.9	00.533	00.754	315
5045	-31.5	00.623	00.898	312
4933	-47.3	00.732	01.128	301
4732	-41.6	00.984	01.480	305
4696	-38.5	01.036	01.538	307
4590	-38.6	01.207	01.792	307
4470	-34.6	01.431	02.090	310
4346	-38.7	01.708	02.537	307
4098	-33.8	02.431	03.537	310
3940	-40.4	03.047	04.560	306
3870	-37.9	03.370	04.990	307
3295	-38.1	07.699	11.410	307
3270	-39.7	07.982	11.911	306
3125	-41.6	09.856	14.828	305
3085	-41.2	10.449	15.693	305
3025	-40.6	11.404	17.082	306
2955	-43.0	12.633	19.122	304
2814	-42.8	15.544	23.507	304
2742	-45.6	17.290	26.470	302
2610	-44.7	21.037	32.079	303
2460	-47.4	26.315	40.608	301
2380	-44.5	29.652	45.177	303
2310	-44.2	32.894	50.051	303
2280	-47.3	34.399	53.059	301
2210	-46.0	38.202	58.587	302
2189	-48.6	39.426	61.165	300
2120	-50.9	43.782	68.626	299
2028	-46.7			
1938	-45.5			
1895	-48.0			
1840	-47.7			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.8	3048	-029	-007		-44.4
0013.5	2896	-024	+002		-45.5
0017.0	2743	-025	+005		-46.7
0021.2	2591	-018	+004		-47.6
0027.0	2438	-015	+006		-48.8
0042.7	2134	-007	+006		-49.6
0068.1	1829	-006	+009		-49.1
0108.3	1524	-002	+009		-48.9
0172.0	1219	+001	+012		-47.7
0276.0	0914	-014	+014		-54.6
0441.5	0610	-016	+017		-41.3
0680.0	0305	-006	+008	73	-22.8
0966.5	0040	+000	+000	75	-17.2
0010.0	3096	-030	-016		-44.1
0050.0	2033	-006	+006		-48.1
0100.0	1576	-004	+010		-48.4
0500.0	0523	-024	+016	10	-35.9
0700.0	0283	-005	+007	50	-21.4

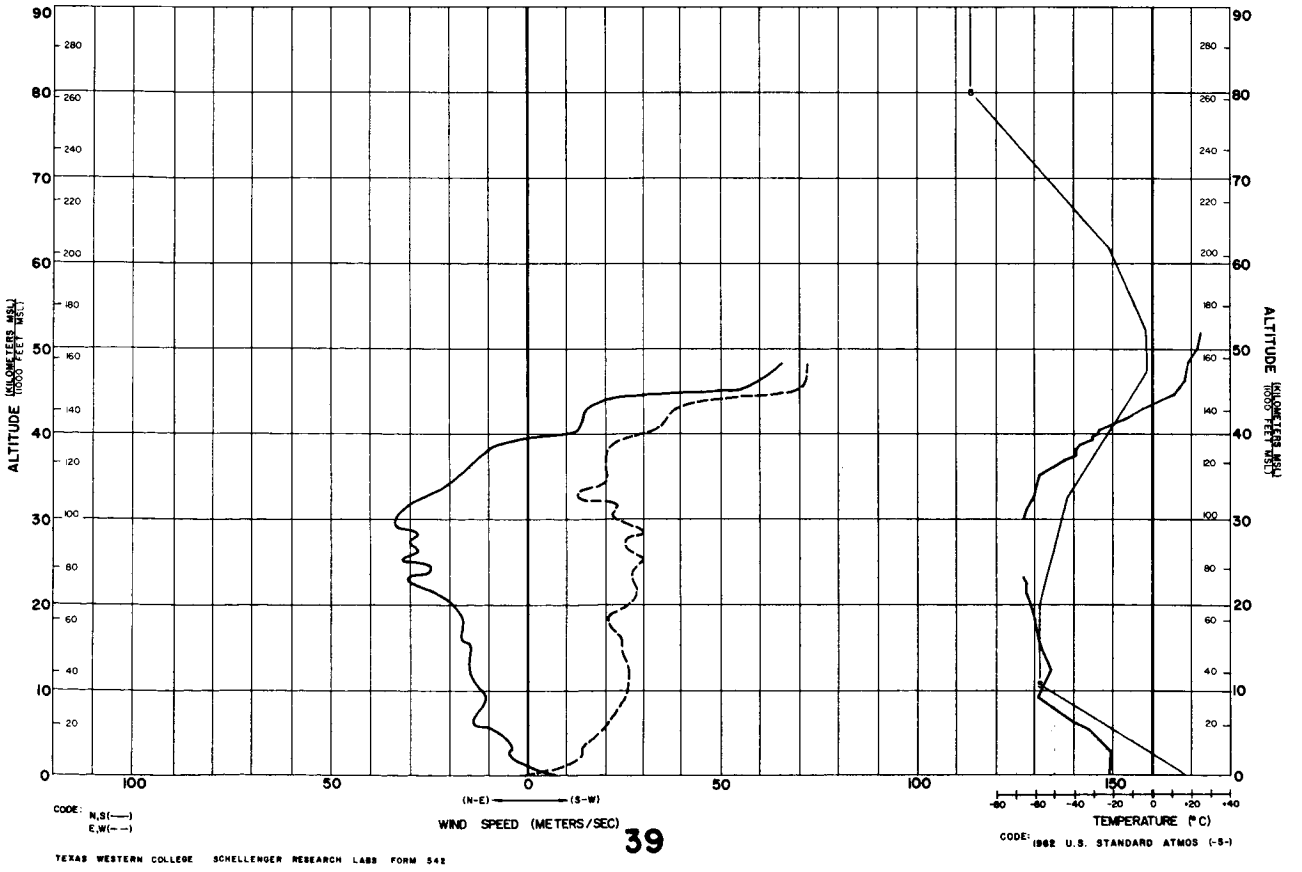


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
15901	FORT CHURCHILL, CANADA	66 02 05	0101	-03	01	02	12			04			2652	2652	1
99999	FORT CHURCHILL, CANADA	66 02 05	0101	-03						05			5170	2267	1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
073	4821	+066	+072	5170	+25.4								0018.7	2591				-71.4
066	4546	+057	+071	5000	+22.5								0024.2	2438	-028	+026		-69.3
050	4280	+015	+038	4828	+18.2								0040.1	2134	-024	+028		-64.7
041	4056	+013	+033	4613	+16.9								0065.7	1829	-017	+021		-59.6
040	3811	-010	+021	4467	+11.3								0106.8	1524	-015	+024		-56.7
030	3599	-015	+020	4310	-05.3								0171.1	1219	-015	+026		-51.6
027	3428	-019	+020	4199	-12.4								0276.8	0914	-011	+025	37	-58.0
023	3280	-025	+013	4053	-26.8								0438.2	0610	-014	+021	43	-38.7
020	3153	-031	+023	4010	-27.8								0675.8	0305	-004	+014	88	-23.0
020	3033	-033	+022	3940	-31.0								1013.0	0001	+007	-001	62	-22.1
016	2923	-033	+027	3915	-30.9								0050.0	1998	-019	+026		-62.3
014	2831	-028	+030	3852	-37.1								0100.0	1563	-017	+024		-56.8
018	2733	-030	+025	3791	-39.4								0500.0	0519	-009	+019	73	-32.5
013	2638	-028	+026	3726	-39.4								0700.0	0278	-005	+014	93	-21.3
011	2564	-031	+028	3684	-44.8													
009	2504	-032	+030	3486	-58.2													
010	2447	-025	+028	3255	-60.2													
010	2387	-026	+027	3095	-64.8													
009	2306	-031	+027	3003	-65.9													
				2652														
				2301	-65.6													
				2267	-65.0													



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 05	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
048	4397	-090	-011
038	4141	-081	-009
033	3929	-070	-002
032	3735	-062	-001
024	3570	-061	-001
024	3429	-050	+005
020	3300	-043	+008
018	3187	-041	+009
019	3077	-039	+010
016	2973	-033	+009
016	2879	-031	+008
013	2793	-026	+010
013	2716	-027	+009
011	2645	-021	+009
010	2551	-022	+012
009	2433	-016	+010
008	2328	-009	+011
007	2236	-007	+009
006	2156	-007	+008
006	2083	-009	+009
006	2013	-006	+010
006	1942	-007	+011
005	1875	-006	+014

THERMODYNAMICS

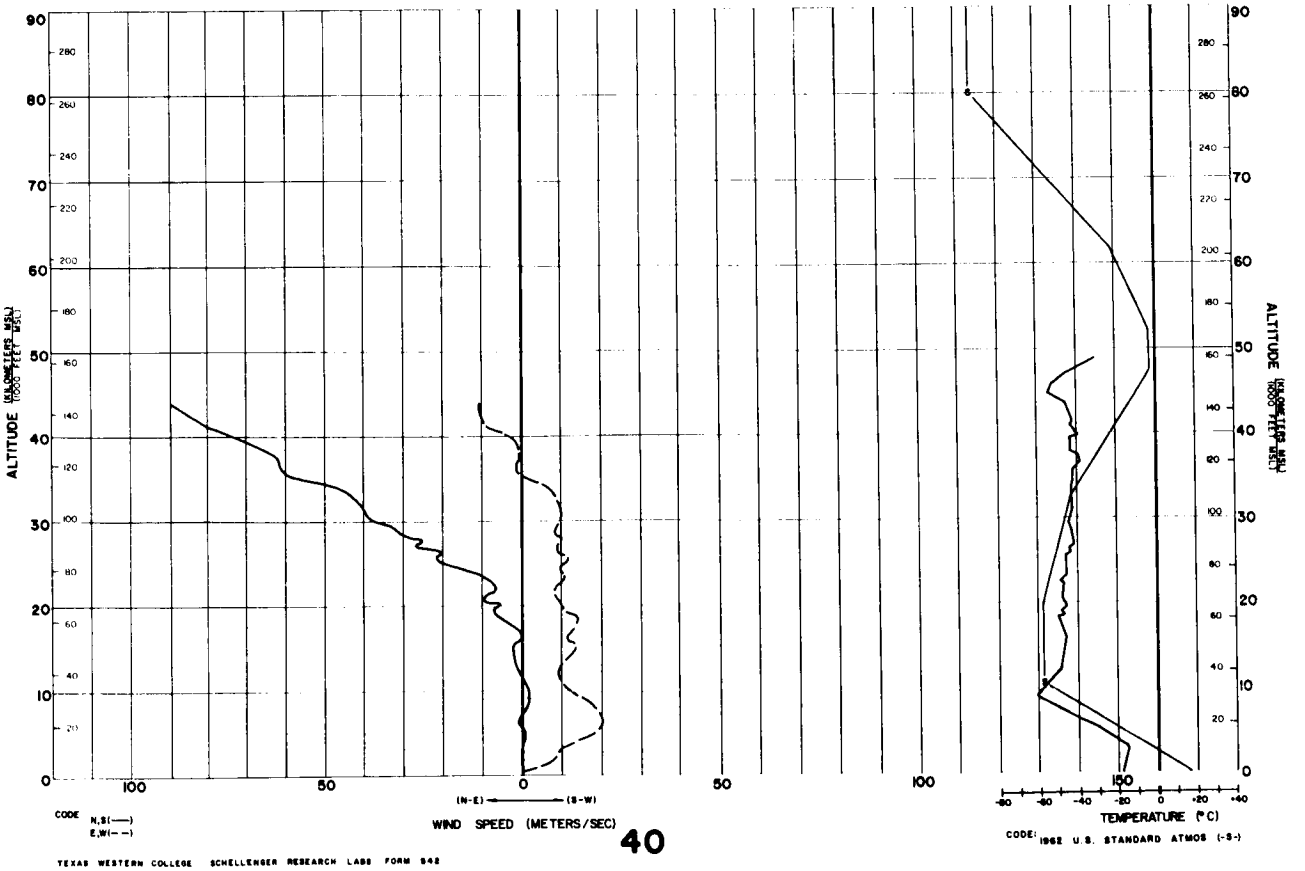
A MSL	TDC	PMB	D	SOS
4870	-31.4	00.765	01.102	312
4700	-45.6	00.976	01.494	302
4560	-52.6	01.205	01.902	298
4455	-53.4	01.415	02.242	297
4350	-45.8	01.657	02.539	302
4140	-41.6	02.256	03.394	305
4095	-42.7	02.409	03.642	304
3995	-39.9	02.787	04.161	306
3940	-43.4	03.019	04.577	304
3870	-42.4	03.345	05.050	305
3780	-42.9	03.817	05.774	304
3720	-39.0	04.165	06.196	307
3630	-38.8	04.742	07.048	307
3525	-42.0	05.522	08.322	305
3430	-42.0	06.345	09.562	305
3380	-43.8	06.828	10.372	304
3070	-42.8	10.775	16.295	304
2940	-44.3	13.051	19.866	303
2880	-43.2	14.259	21.602	304
2690	-41.8	18.847	28.380	305
2670	-43.3	19.409	29.417	304
2620	-43.4	20.894	31.681	304
2555	-43.3	22.996	34.853	304
2530	-46.4	23.866	36.666	302
2330	-45.5	32.165	49.221	302
2240	-49.1	36.821	57.251	300
2220	-47.4	37.948	58.560	301
2050	-48.5	49.029	76.028	300
1940	-46.5			
1900	-48.9			
1870	-47.4			
1850	-49.2			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.6	3200	-043	+014		-45.2
0010.9	3048	-041	+010		-45.0
0013.7	2896	-034	+007		-45.7
0017.1	2743	-026	+011		-46.1
0021.9	2591	-023	+012		-46.8
0027.2	2438	-015	+010		-47.2
0043.1	2134	-005	+012		-48.4
0068.5	1829	-008	+012		-47.4
0108.2	1524	-002	+013		-46.6
0172.1	1219	-001	+009		-48.7
0277.8	0914	+002	+015		-60.1
0442.0	0610	-001	+020		-39.0
0675.0	0305	+000	+010	42	-16.6
0957.0	0040	+000	+000	79	-18.0
0010.0	3104	-042	+012		-44.9
0050.0	2037	-008	+013		-48.1
0100.0	1579	-001	+012		-46.6
0500.0	0525	+000	+019	59	-31.5
0700.0	0278	+000	+009	30	-14.9

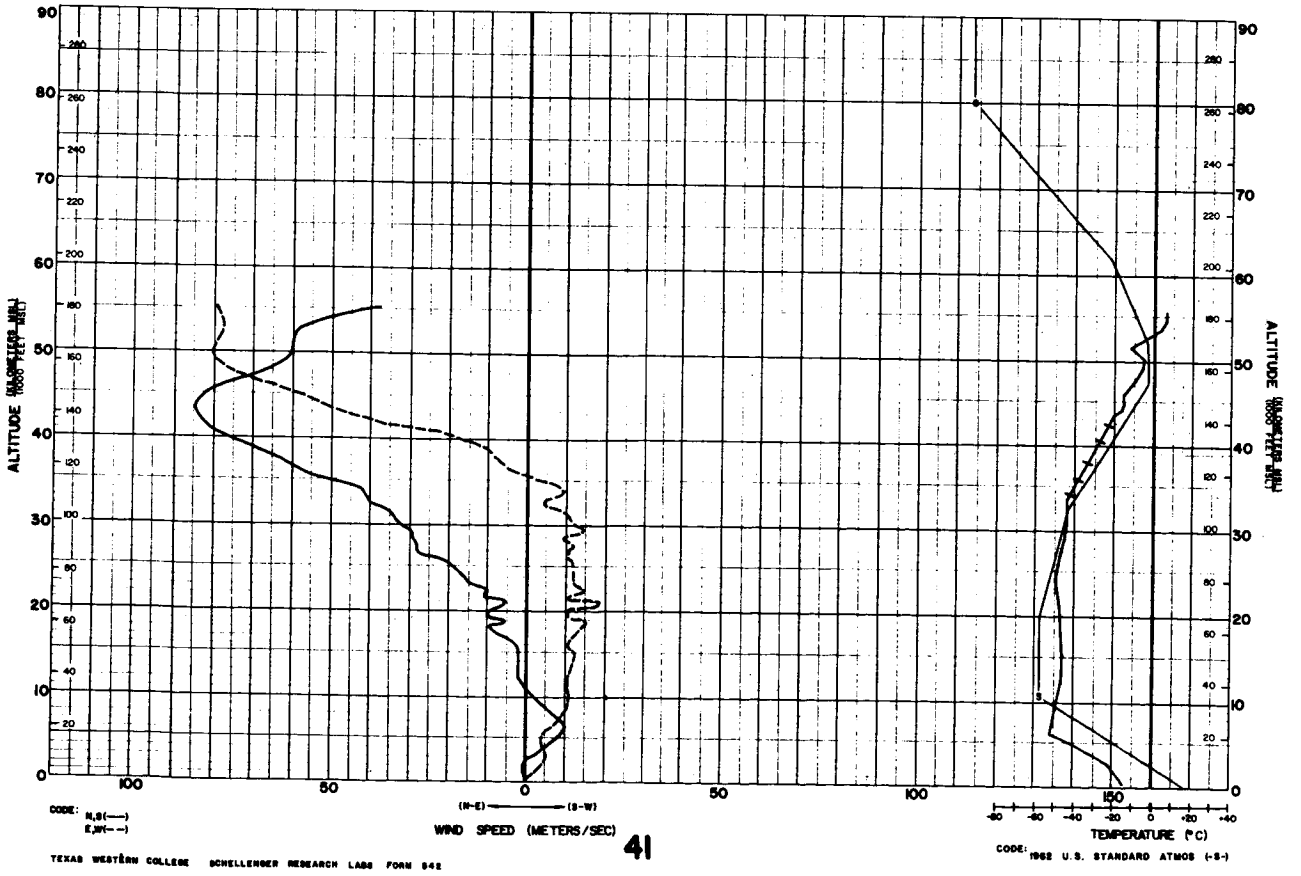


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 942

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 06	2000	-03	01	02	12			05			5550	4350	1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
108	5517	-038	-079	5550	+06.6								0006.8	3353	-045	+001		-44.3
088	5223	-059	-078	5445	+05.5								0008.6	3200	-040	+007		-44.0
074	4979	-061	-080	5345	+02.6								0010.9	3048	-036	+014		-44.2
062	4682	-075	-068	5155	-12.0								0013.6	2896	-032	+014		-45.4
048	4352	-084	-050	5005	-05.6								0016.9	2743	-025	+016		-46.7
040	4087	-080	-023	4900	-06.0								0021.3	2591	-021	+012		-47.9
033	3867	-068	-010	4770	-09.7								0027.2	2438	-022	+014		-49.0
027	3689	-061	-006	4665	-13.4								0043.0	2134	-012	+012		-47.8
025	3534	-053	+002	4600	-14.8								0068.0	1829	-009	+014		-47.0
023	3391	-042	+009	4475	-14.5								0107.8	1524	-002	+012		-45.7
020	3262	-040	+004	4415	-16.3								0170.2	1219	-002	+011		-46.3
019	3145	-035	+009	4350	-20.0								0269.5	0914	+004	+011		-48.9
017	3039	-033	+012										0430.0	0610	+010	+006		-51.7
014	2947	-030	+014										0670.0	0305	+002	+005	88	-24.9
015	2860	-029	+009										0953.0	0040	+000	+000	82	-15.1
013	2777	-028	+012										0010.0	3098	-036	+010		-43.8
011	2703	-028	+011										0050.0	2033	-010	+014		-47.5
010	2638	-025	+011										0100.0	1573	-002	+011		-46.5
010	2565	-020	+012										0500.0	0510	+008	+004		-42.2
009	2488	-017	+012										0700.0	0273	+000	+005	90	-22.4
007	2328	-015	+012															
007	2241	-010	+014															
006	2161	-011	+011															
006	2089	-006	+018															
006	2018	-008	+011															
005	1960	-010	+011															
005	1886	-006	+015															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 07	1500	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
	5900	-009	+003
119	5800	-007	+004
117	5700	-005	+005
111	5600	-004	+005
104	5500	-003	+004
100	5400	-003	+004
098	5300	-003	-001
089	5200	-005	-009
083	5100	-005	-015
078	5000	-004	-021
074	4900	-002	-024
069	4800	+000	-019
065	4700	+000	-021
059	4600	-002	-030
054	4500	-003	-035
051	4400	-002	-038
048	4300	-003	-036
045	4200	-004	-034
043	4100	-002	-033
039	4000	+001	-032
036	3900	+002	-029
033	3800	+000	-024
030	3700	-003	-022
027	3600	-001	-021
025	3500	+001	-017
023	3400	+002	-014
021	3300	+002	-011
020	3200	+002	-010
019	3100	-001	-008
017	3000	+000	-007
014	2800	+001	-009
011	2600	+001	-006
009	2450	-002	-010

THERMODYNAMICS

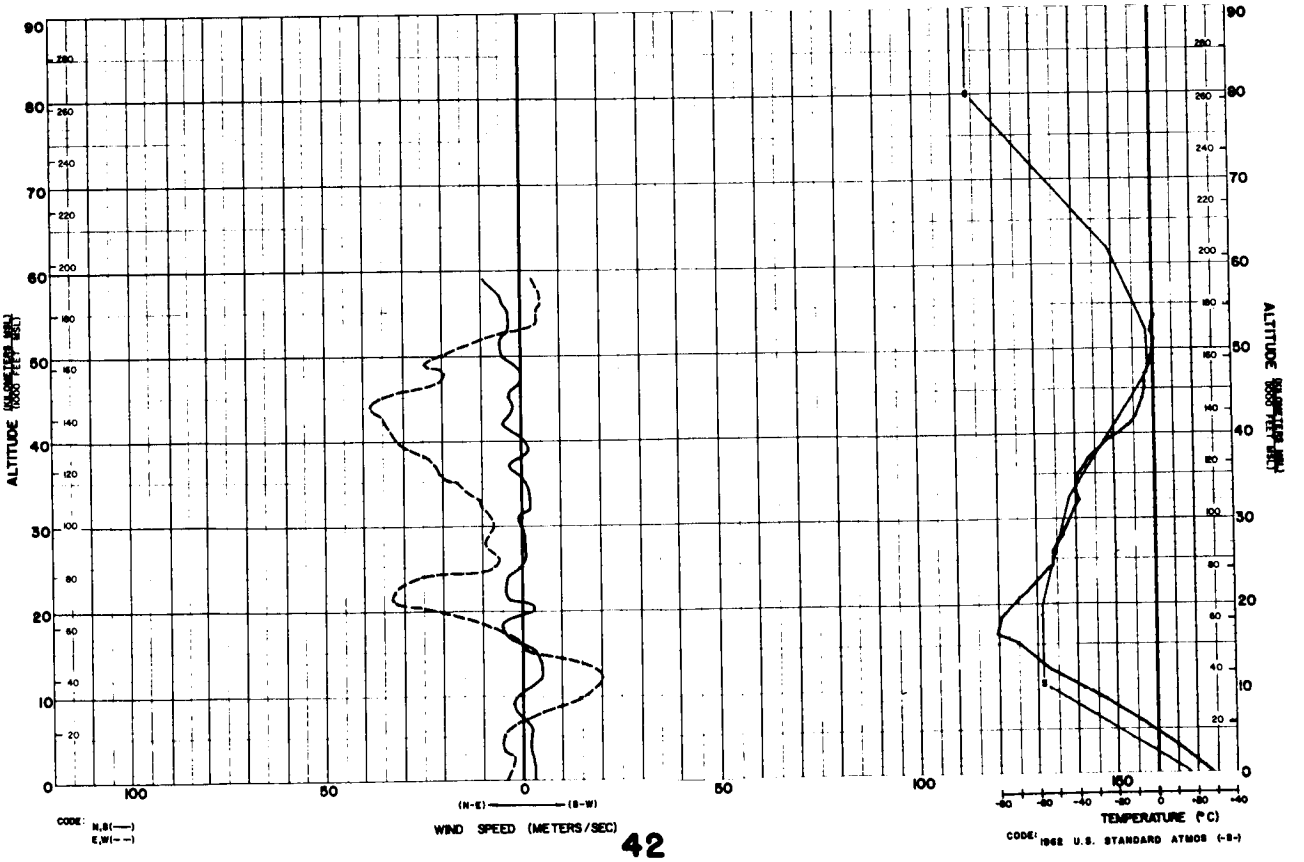
A MSL	TDC	PMB	D	SOS
5375	+00.8	00.518	00.660	332
5300	-00.3	00.568	00.724	332
5200	-01.2	00.642	00.820	331
5100	+00.5	00.726	00.925	332
5000	+00.0	00.821	01.047	332
4900	-01.0	00.929	01.188	331
4800	-02.4	01.051	01.355	330
4700	-03.8	01.190	01.540	329
4600	-03.5	01.348	01.743	330
4500	-03.5	01.527	01.973	330
4400	-05.1	01.731	02.249	329
4300	-06.9	01.964	02.568	327
4200	-09.0	02.230	02.935	326
4100	-12.0	02.536	03.389	324
4000	-17.7	02.889	03.930	321
3900	-22.7	03.302	04.592	318
3800	-27.6	03.783	05.368	315
3700	-33.2	04.348	06.297	311
3600	-35.2	05.007	07.332	310
3500	-37.7	05.774	08.545	308
3400	-39.2	06.667	09.928	307
3300	-39.3	07.700	11.469	307
3200	-38.3	08.893	13.200	308
3100	-40.8	10.280	15.414	306
3000	-42.9	11.900	18.002	305
2800	-46.1	15.982	24.528	302
2600	-51.8	21.615	34.019	299
2450	-51.9	27.153	42.726	299

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.8	3200	-002	-017		-42.1
0011.1	3048	-001	-017		-45.3
0013.9	2896	+001	-012		-44.6
0017.4	2743	-004	-016		-44.4
0021.9	2591	+000	-014		-52.2
0027.6	2438	-003	-021		-53.6
0044.7	2134	-003	-033		-65.3
0074.6	1829	-005	-009		-77.9
0126.9	1524	+003	+001		-69.7
0206.3	1219	+005	+020	15	-53.9
0323.4	0914	-002	+012	07	-29.2
0485.8	0610	+002	-003	09	-07.6
0709.2	0305	+002	-003	10	+10.6
1004.4	0008	+003	-004	69	+27.1
0010.0	3095	-001	-017		-43.4
0050.0	2055	+003	-027		-69.6
0100.0	1656	-002	-001		-80.7
0500.0	0585	+002	-004	08	-05.7
0700.0	0315	+002	-004	09	+10.8

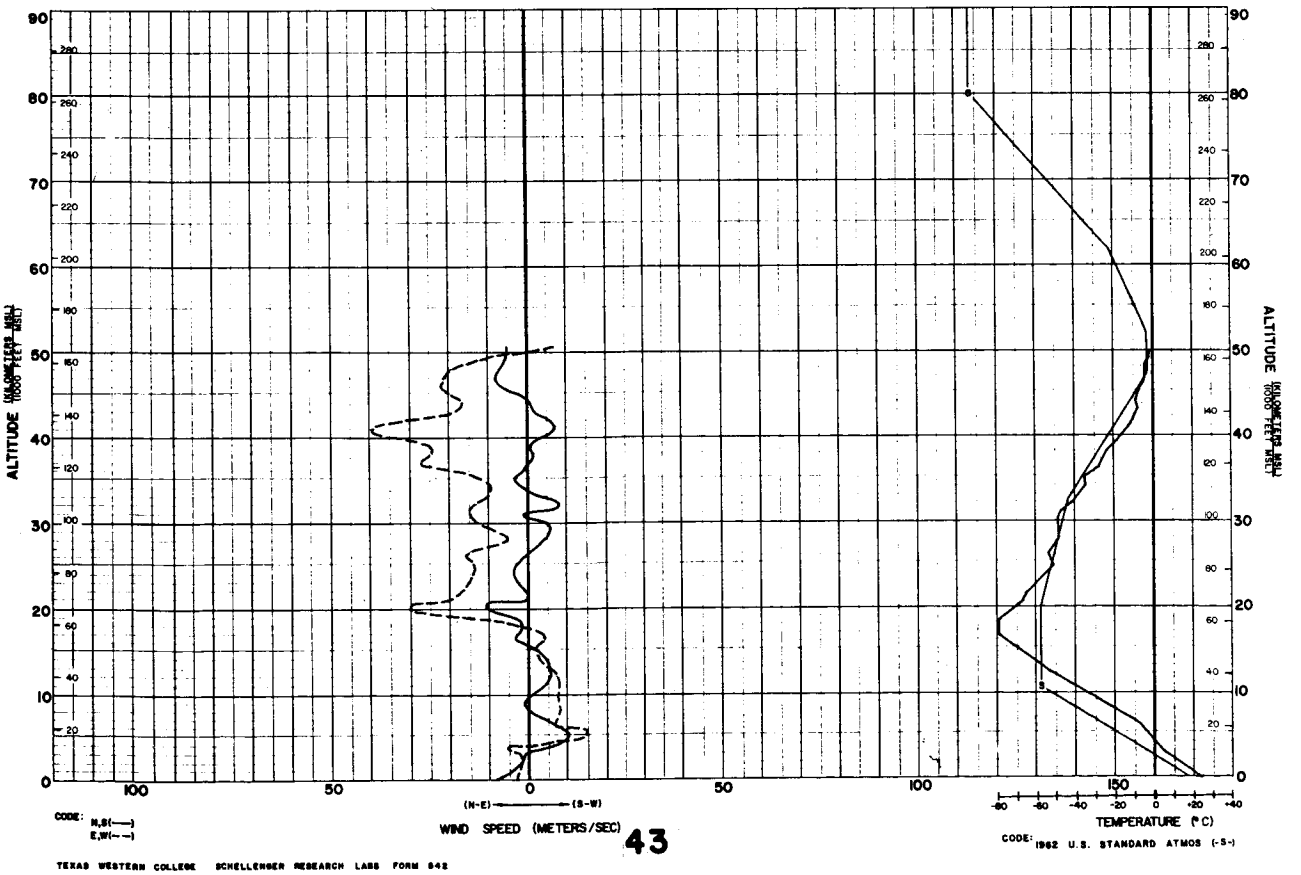


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 07	1501	-04	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
Fv	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
	5050	-005	+007	5000	-01.2	00.820	01.046	331					0013.8	2896	+000	-010		-46.6
	5000	-005	+000	4900	-01.4	00.928	01.188	331					0017.3	2743	+003	-013		-48.4
072	4900	-006	-012	4800	-03.0	01.050	01.350	330					0021.8	2591	-004	-018		-52.2
068	4800	-007	-019	4700	-03.3	01.189	01.535	330					0027.6	2438	-008	-021		-55.4
062	4700	-008	-021	4600	-03.7	01.347	01.745	329					0044.8	2134	+000	-018		-65.1
059	4600	-007	-022	4500	-07.0	01.527	02.006	327					0074.5	1829	-002	-006		-79.1
054	4500	-003	-020	4400	-08.6	01.734	02.284	326					0126.6	1524	+001	+002		-73.3
051	4400	+001	-017	4300	-07.9	01.969	02.588	327					0207.4	1219	+006	+007	32	-52.4
047	4300	+002	-018	4200	-09.5	02.236	02.956	326					0324.0	0914	-001	+008	33	-29.9
044	4200	+006	-030	4100	-12.2	02.542	03.390	324					0486.3	0610	+007	+007	32	-07.0
041	4100	+007	-039	4000	-15.2	02.895	03.913	322					0710.7	0305	-001	-003	75	+04.6
038	4000	+003	-032	3900	-18.8	03.303	04.533	320					1018.7	0000	-008	-003	67	+25.3
035	3900	+001	-025	3800	-23.8	03.776	05.289	317					0050.0	2055	-011	-029		-66.0
033	3800	+002	-024	3700	-26.1	04.327	06.098	315					0100.0	1653	-003	+004		-78.9
030	3700	+000	-027	3600	-28.1	04.961	07.027	314					0500.0	0586	+010	+014	31	-06.0
027	3600	-001	-021	3500	-35.1	05.705	08.326	310					0700.0	0316	-001	-006	71	+03.7
026	3500	-003	-013	3400	-33.6	06.569	09.546	311										
023	3400	-001	-009	3300	-36.1	07.566	11.115	309										
022	3300	+003	-010	3200	-41.6	08.741	13.146	305										
019	3200	+008	-013	3100	-47.0	10.130	15.654	302										
018	3100	-001	-015	3000	-48.6	11.777	18.275	301										
016	3000	+005	-013	2800	-48.1	15.897	24.608	301										
013	2800	+004	-005	2600	-53.7	21.506	34.109	297										
010	2600	-001	-016	2450	-51.1	27.074	42.496	299										
009	2475	-003	-014															

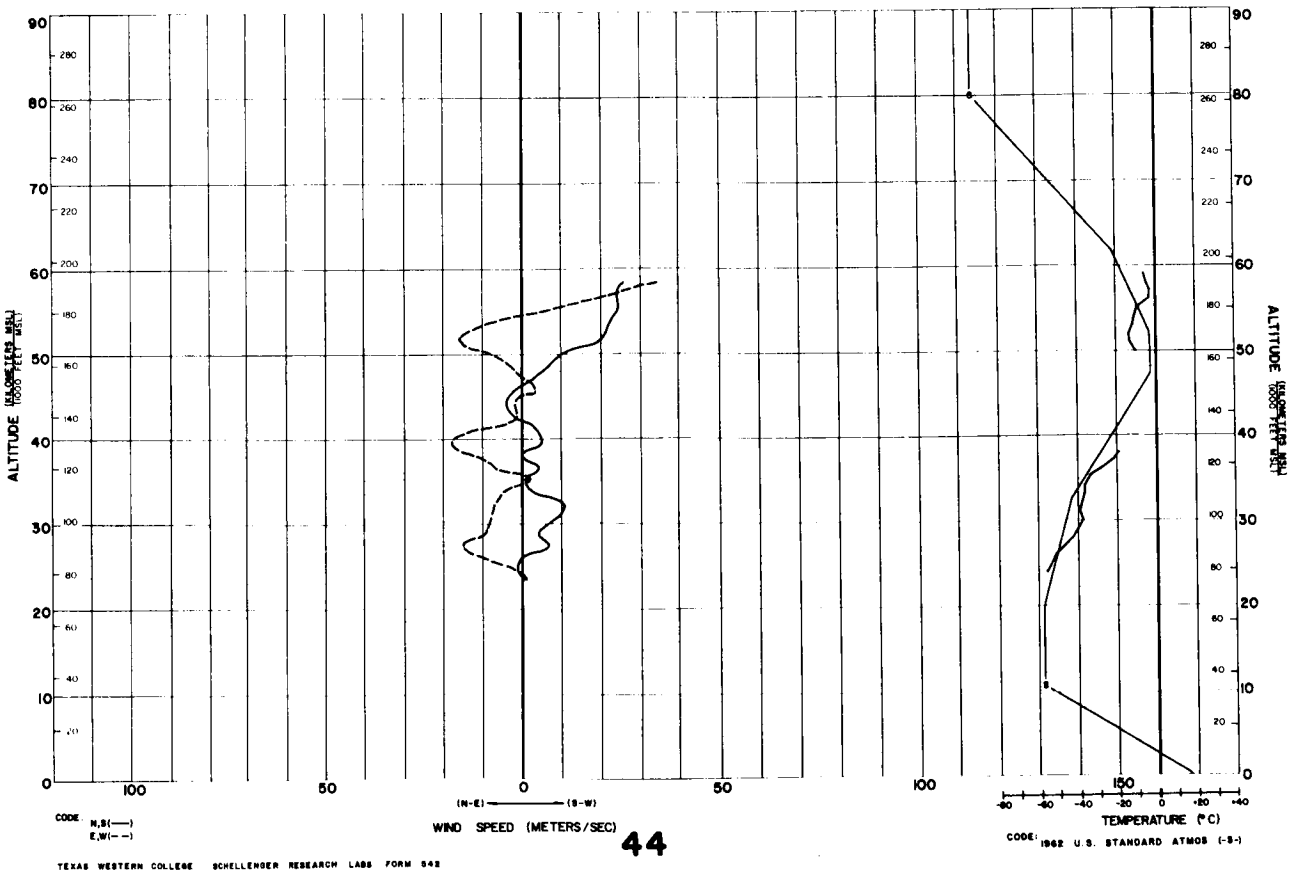


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 642

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 07	1504		01	02	12			05			5900	5000	1
99999	AFETR, CAPE KENNEDY AFS, FLA	66 02 07	1504							04			4400	4400	1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
124	5822	+026	+034	5900	-05.9													
121	5791	+025	+031	5800	-05.0													
108	5639	+024	+018	5700	-04.2													
098	5486	+024	+005	5600	-04.1													
088	5334	+022	-009	5500	-09.3													
077	5182	+020	-016	5400	-11.2													
073	5029	+012	-009	5300	-12.0													
066	4877	+007	-003	5200	-13.8													
059	4724	+003	+000	5100	-13.4													
056	4572	-002	+003	5000	-10.5													
049	4420	-004	-002	4400														
043	4267	-002	-002	3800	-18.9	03.934	05.391	320										
041	4115	+003	-009	3700	-22.0	04.495	06.235	318										
035	3962	+005	-018	3600	-29.4	05.151	07.362	313										
032	3810	+000	-013	3500	-33.8	05.922	08.619	311										
028	3658	+004	-007	3400	-36.1	06.822	10.026	309										
024	3505	+001	+002	3300	-36.3	07.865	11.568	309										
021	3353	+003	-005	3200	-38.3	09.074	13.461	308										
018	3200	+011	-007	3100	-39.2	10.479	15.604	307										
016	3048	+008	-008	3000	-38.2	12.101	17.943	308										
015	2896	+004	-009	2800	-42.8	16.199	24.493	305										
012	2743	+007	-015	2600	-51.0	21.778	34.153	299										
011	2591	+000	-010	2400	-56.1	29.630	47.558	296										
008	2438	-001	-001															
007	2347	+001	+001															

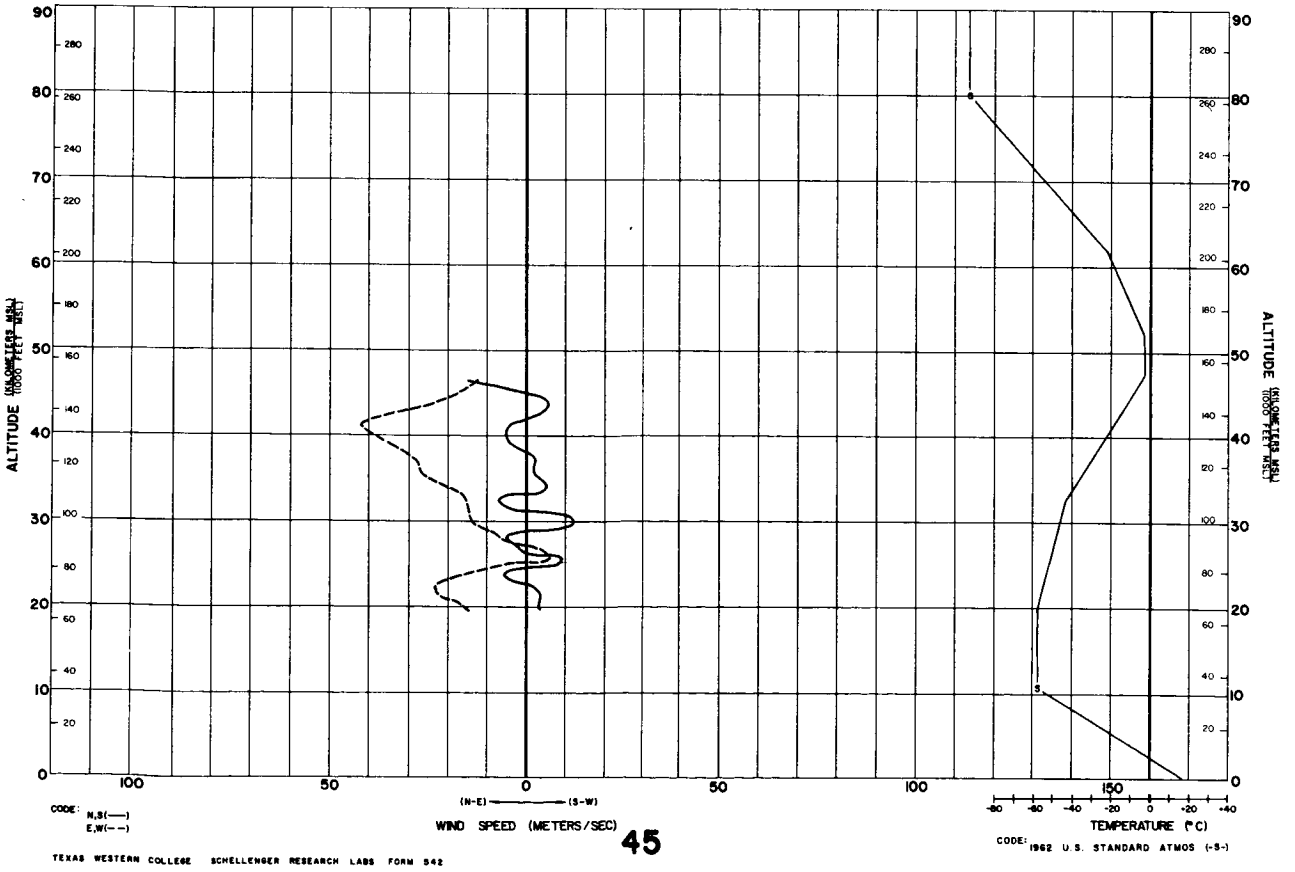


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11503	HARP, SEAWELL, WEST INDIES	66 02 07	1600		18	02	00			00	4644	4644			1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
052	4644	-015	-013															
042	4360	+006	-025															
039	4116	-004	-042															
034	3898	-004	-035															
030	3706	+002	-028															
027	3533	+002	-027															
023	3380	+005	-020															
021	3248	-007	-016															
020	3124	-003	-015															
018	3008	+012	-014															
016	2906	+001	-010															
015	2813	-005	-007															
015	2722	-003	-001															
014	2635	-001	+005															
013	2556	+009	+006															
012	2483	+008	-006															
011	2382	-006	-015															
010	2259	+001	-023															
008	2152	+003	-023															
008	2057	+003	-018															
006	1975	+003	-015															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12714	AFETR, GRAND TURK ISLAND AAFB	66 02 07	1705	-06	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
070	4999	+001	-002
067	4877	+001	-014
060	4724	+003	-012
055	4572	+005	-013
050	4420	+002	-016
044	4267	+004	-022
040	4115	+004	-031
037	3962	+005	-020
032	3810	+000	-018
029	3658	-002	-015
025	3505	+003	-010
023	3353	-002	-009
019	3200	+005	-004
018	3048	+000	-019
015	2896	-002	-014
012	2743	+006	-014
010	2597	-002	-020
009	2469	-003	-015

THERMODYNAMICS

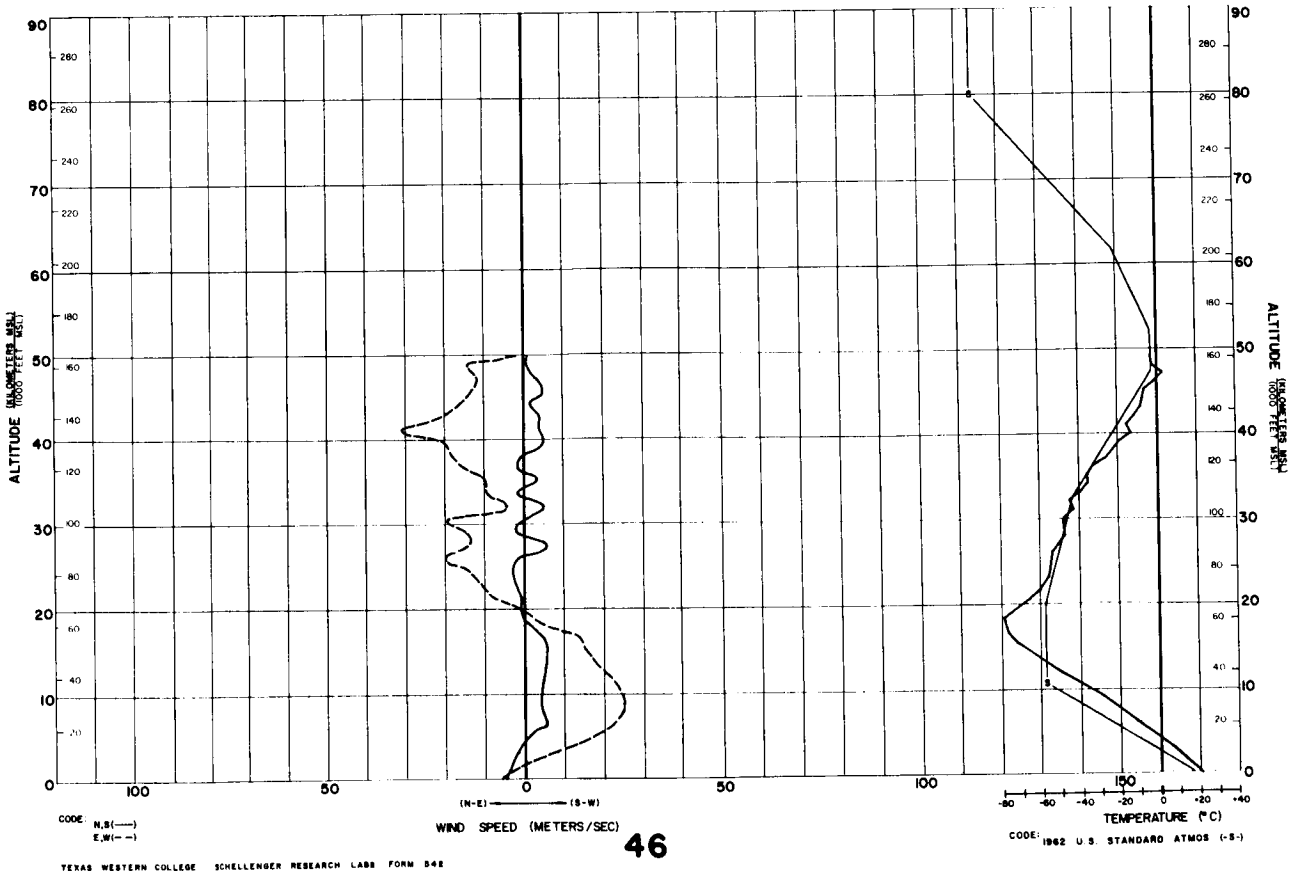
A MSL	TDC	PMB	D	SOS
4900	-03.5	00.918	01.186	330
4800	-02.3	01.039	01.337	330
4700	+02.4	01.175	01.486	333
4600	-01.7	01.329	01.705	331
4500	-06.8	01.505	01.969	328
4400	-07.3	01.708	02.238	327
4300	-08.8	01.939	02.555	326
4200	-11.8	02.204	02.937	324
4100	-15.5	02.508	03.392	322
4000	-13.7	02.857	03.836	323
3900	-19.0	03.257	04.465	320
3800	-22.6	03.722	05.175	318
3700	-27.0	04.262	06.033	315
3600	-33.7	04.897	07.124	311
3500	-35.8	05.640	08.278	309
3400	-35.7	06.500	09.537	309
3300	-39.9	07.502	11.204	307
3200	-44.9	08.682	13.252	303
3100	-43.0	10.059	15.227	304
3000	-48.0	11.667	18.052	301
2800	-47.8	15.753	24.354	301
2600	-53.4	21.348	33.844	298
2400	-55.7	29.110	46.638	296

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.7	3200	+012	-008		-45.0
0011.0	3048	-001	-015		-50.1
0013.8	2896	+000	-011		-48.9
0017.4	2743	+001	-013		-51.9
0021.9	2591	-004	-010		-52.7
0027.8	2438	-005	-010		-55.2
0044.8	2134	-001	-008		-60.9
0074.3	1829	+001	+004		-78.9
0126.0	1524	+006	+015		-72.0
0206.0	1219	+005	+021	33	-51.9
0321.5	0914	+004	+025	33	-29.5
0483.8	0610	+005	+022	48	-12.3
0710.7	0305	-002	+008	34	+05.8
1022.7	0000	-005	-006	62	+20.7
0010.0	3087	+006	-017		-47.2
0050.0	2654	-001	-004		-65.7
0100.0	1651	+005	+014		-76.7
0500.0	0583	+003	+021	40	-10.4
0700.0	0317	-002	+008	34	+04.8



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 54E

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
93111	PMR. POINT MUGU. CALIF.	66 02 07	1800	+00	03	01	00			00	6411	6411			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
082	6411	-003	+068
077	6179	+020	+059
057	6009	+034	+058
052	5853	+025	+069
048	5710	+033	+052
037	5600	+059	+041
036	5387	+052	+045
033	5192	+026	+061
028	5021	+034	+058
024	4878	+024	+092
025	4725	+031	+099
028	4554	+016	+062
019	4442	+016	+062
024	4298	+018	+065
012	4228	+019	+061
026	4073	+018	+054
017	3972	+013	+054
021	3847	+007	+050
015	3762	+007	+046
013	3682	+004	+042
013	3603	+000	+035
015	3423	-003	+011
015	3240	-006	+002
012	3100	-005	+001
014	2926	+000	+000
008	2826	+000	-001
011	2695	-001	-004
010	2573	-002	-002
005	2511	-002	+001

THERMODYNAMICS

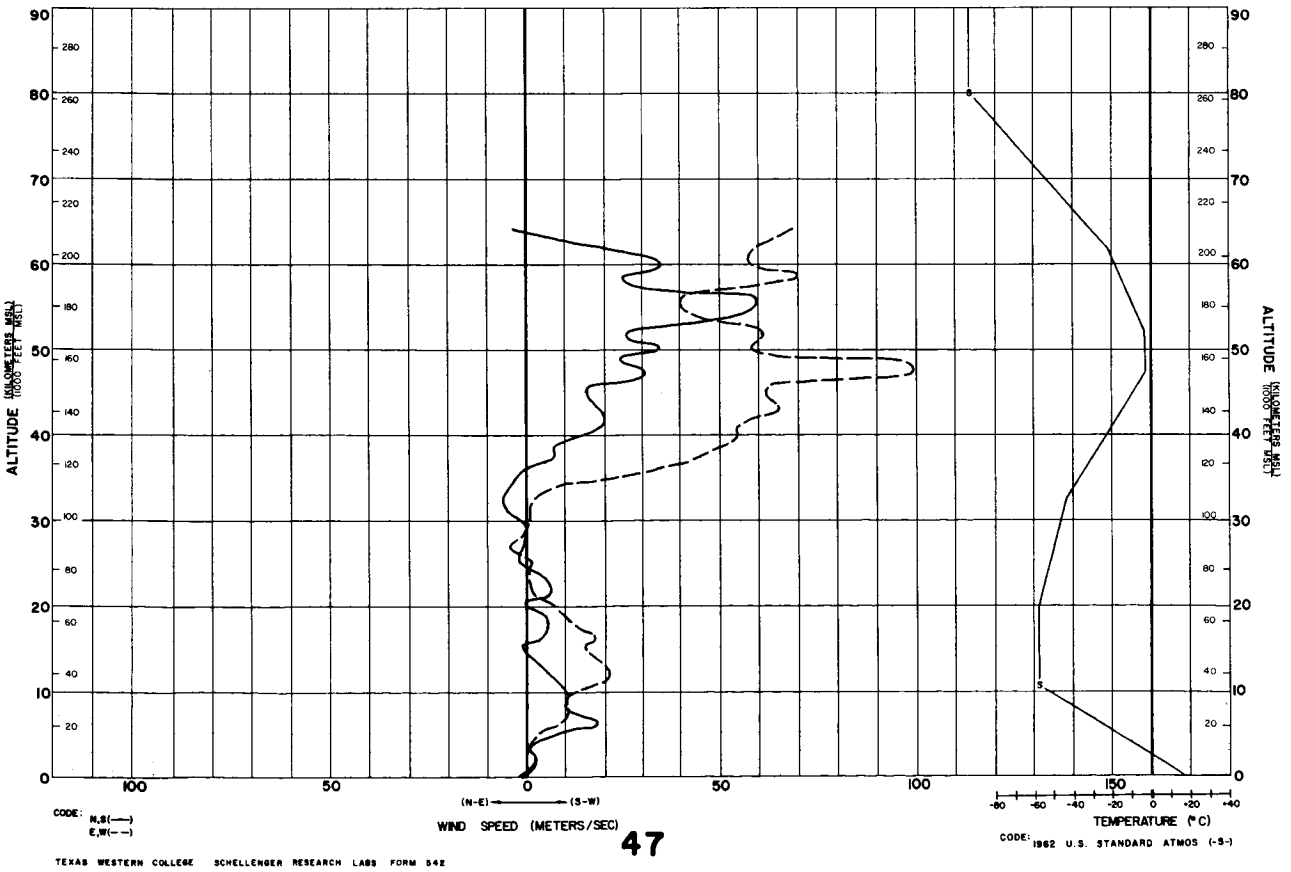
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0005.4	3505	+002	+019	22	-44.3
0006.8	3353	-001	+003	25	-46.1
0008.6	3200	-002	+001	26	-47.1
0010.8	3048	-003	+000	24	-48.0
0013.6	2896	+001	+002	23	-52.1
0017.2	2743	-002	-001	24	-53.0
0021.8	2591	+000	-002	24	-53.2
0027.6	2438	+001	+001	24	-54.6
0044.3	2134	+006	+002	24	-56.6
0071.3	1829	+005	+011	24	-54.9
0114.3	1524	-001	+015	24	-52.5
0181.9	1219	+005	+021	25	-49.3
0289.3	0914	+011	+011	26	-49.8
0455.0	0610	+018	+008	26	-34.0
0689.3	0305	+001	+001	30	-11.9
1009.5	0000	-001	-002	56	+11.3
0010.0	3087	-002	-001	24	-47.2
0050.0	2050	+000	+005	24	-56.8
0100.0	1607	+003	+017	23	-52.8
0300.0	0889	+010	+011	26	-49.3
0500.0	0542	+013	+005	27	-29.3
0700.0	0293	+002	+002	29	-11.1

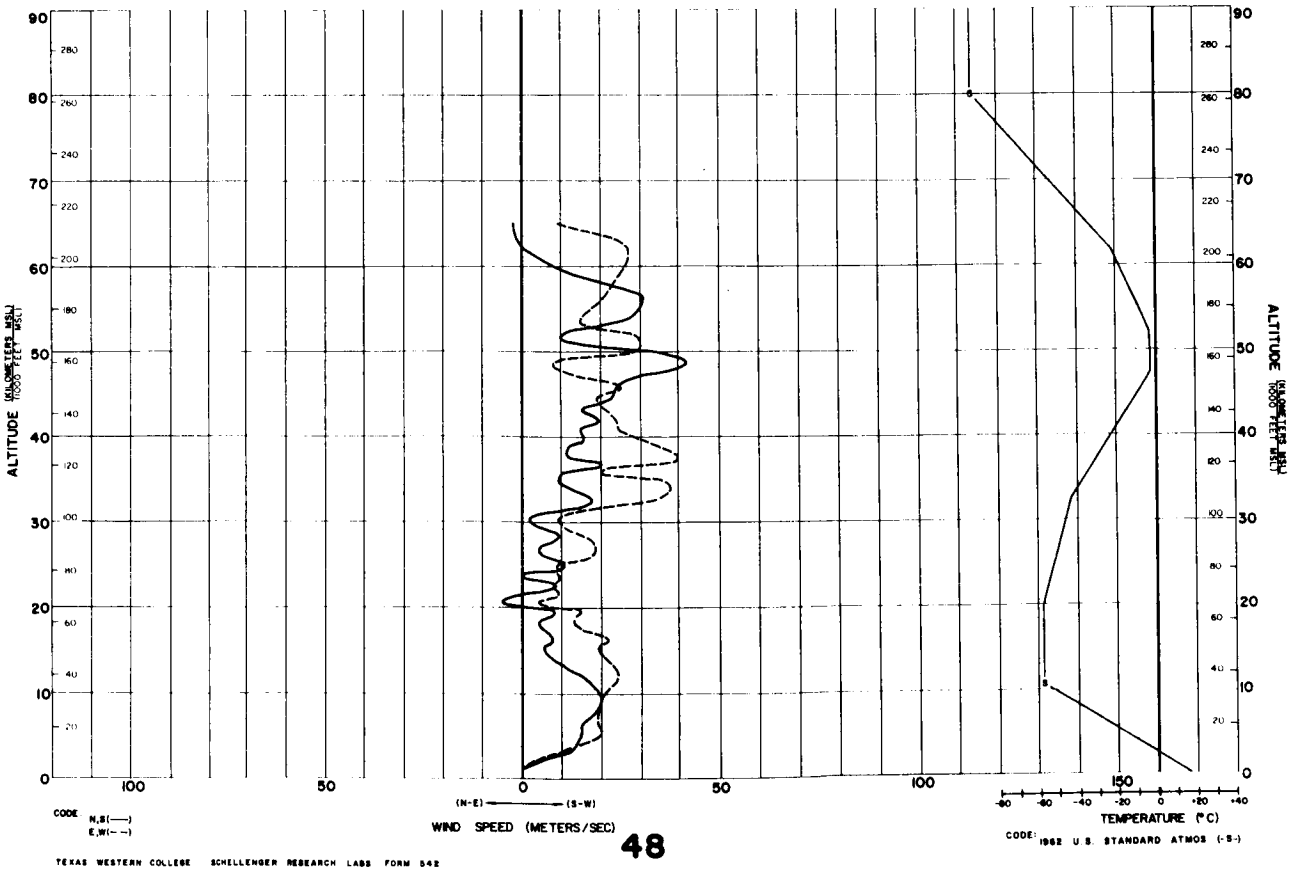


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 07	2219	-06	20	01	00			00	6488	5625			1

ROCKET WINDS				THERMODYNAMICS				COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
093	6488	-002	+009										0010.8	3048				-51.0
094	6206	+000	+027										0013.6	2896	+004	+015		-51.9
039	5901	+013	+025										0017.2	2743	+011	+012		-52.8
053	5625	+031	+021										0021.7	2591	+004	+006		-53.7
033	5366	+026	+015										0027.5	2438	+005	+015		-54.6
029	5179	+010	+029										0044.2	2134	+000	+005		-57.2
028	5006	+030	+029										0071.4	1829	+004	+013		-58.9
021	4859	+042	+008										0115.7	1524	+006	+019		-61.6
022	4729	+031	+013										0187.5	1219	+014	+024		-57.6
024	4592	+024	+025										0302.7	0914	+020	+020		-49.2
023	4452	+023	+019										0469.5	0610	+015	+019	50	-22.9
023	4313	+016	+021										0697.7	0305	+012	+009	39	-01.4
017	4191	+019	+024										0872.6	0122	+001	+001	45	+11.7
018	4084	+015	+025										0010.0	3081				-50.7
018	3976	+016	+030										0050.0	2048	+006	+010		-57.9
017	3871	+012	+035										0100.0	1611	+008	+022		-57.2
016	3772	+012	+040										0500.0	0562	+015	+020	36	-18.4
015	3680	+020	+035										0700.0	0302	+011	+009	39	-01.3
009	3581	+011	+020															
013	3450	+010	+037															
020	3254	+018	+033															
018	3024	+002	+009															
008	2867	+009	+015															
010	2757	+006	+018															
012	2621	+005	+018															
009	2493	+011	+009															
011	2374	+000	+009															
008	2263	+008	+008															
008	2166	+001	+009															
011	2050	-005	+004															
003	1975	+008	+015															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 08	0030	-02	01	02	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
124	5881	-020	-040
098	5548	-036	-036
085	5272	-040	-038
067	4944	-052	-030
054	4581	-054	-033
044	4286	-056	-031
035	4048	-056	-029
032	3847	-061	-031
029	3665	-061	-026
024	3507	-050	-017
022	3369	-050	-007
019	3245	-040	-003
018	3134	-034	+003
016	3031	-030	+004
014	2940	-030	+010
015	2854	-027	+011
014	2770	-019	+014
013	2690	-018	+016
012	2580	-015	+015
010	2451	-012	+015
008	2343	-016	+013
007	2252	-013	+012
006	2176	-011	+011
006	2105	-008	+013
005	2038	-007	+015
004	1984	-005	+014
005	1931	-005	+010
003	1881	-010	+013
004	1837	-005	+016
006	1776	-005	+018
006	1706	-008	+018
003	1654	-003	+022

THERMODYNAMICS

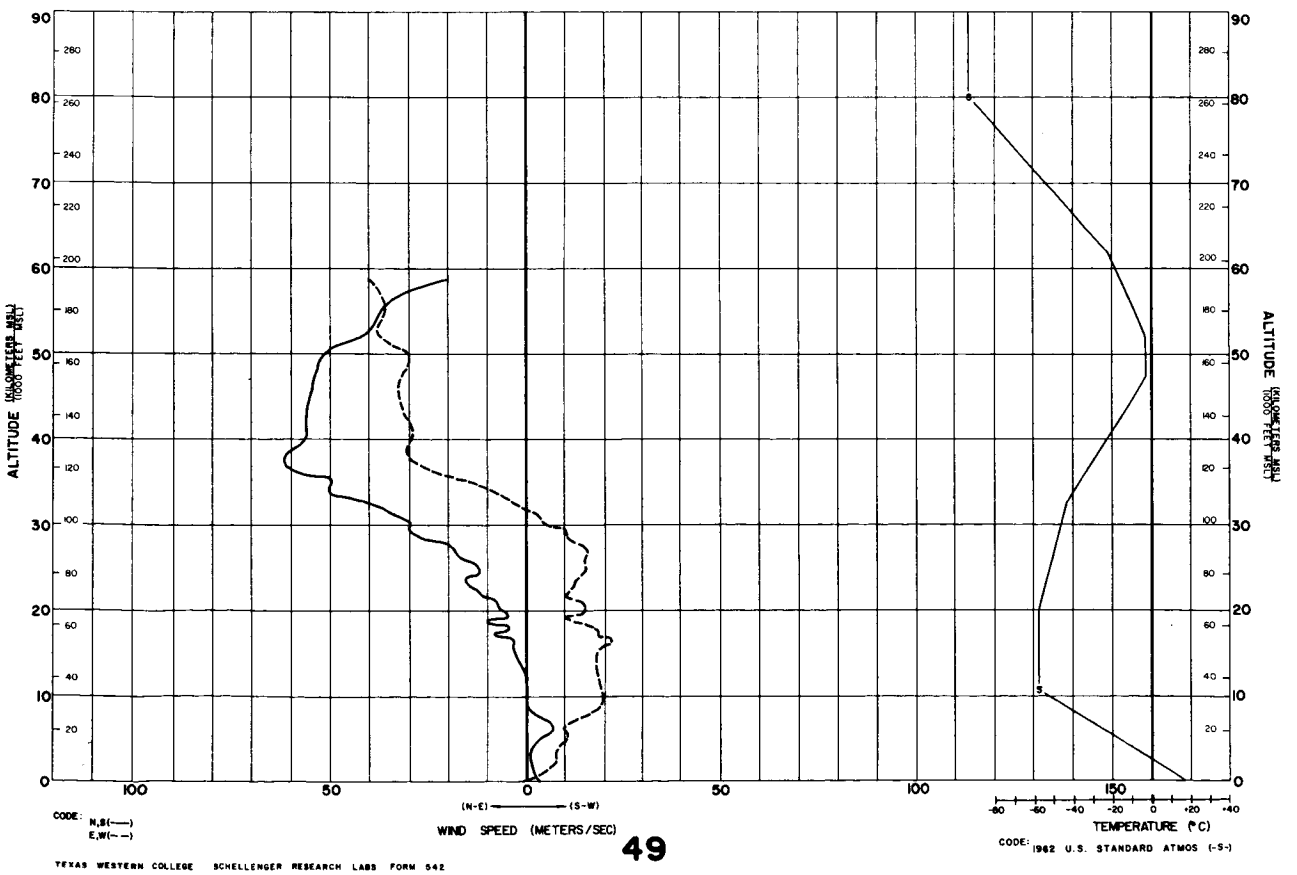
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.6	3200	-036	-003		-46.7
0010.8	3048	-035	+004		-42.1
0013.6	2896	-031	+008		-43.8
0016.9	2743	-023	+014		-45.6
0021.3	2591	-020	+009		-46.7
0026.9	2438	-016	+015		-46.8
0042.7	2134	-010	+015		-47.1
0067.6	1829	-005	+017		-47.0
0107.0	1524	-003	+018		-46.3
0169.3	1219	+000	+018		-47.0
0269.5	0914	+000	+019		-52.0
0431.8	0610	+007	+010		-43.6
0663.9	0305	+001	+008	73	-23.0
0945.0	0040	+003	-001	83	-14.2
0010.0	3099	-034	-002		-41.5
0050.0	2028	-008	+014		-47.4
0100.0	1568	-003	+019		-46.4
0500.0	0508	+004	+011	68	-37.1
0700.0	0267	+001	+008	62	-20.2



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 642

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
22509	PMR. BARKING SANDS. HAWAII	66 02 08	0715	-03	01	02	01								2

ROCKET WINDS

FV	A MSL	COMP	WNDS
049	4430	-016	+010
041	4160	-012	-018
033	3940	-009	-019
028	3770	-018	-010
027	3600	-010	-009
023	3440	-015	-012
019	3320	-005	+000
018	3210	+005	-004
018	3110	+001	+005
017	3010	+001	+004
015	2920	+001	+003
015	2830	-006	+000
013	2770	-006	+001
011	2700	-004	+003
011	2640	+000	+002
010	2520	+001	-003
008	2420	+001	-004
007	2330	+000	-004
006	2250	+003	+001
005	2190	+001	+000
006	2130	+001	+000
006	2060	+004	+001
006	1990	+007	+002
005	1930	-005	+004
004	1880	-005	+004
004	1830	+001	+005
004	1780	+001	+002
004	1730	-003	+002

THERMODYNAMICS

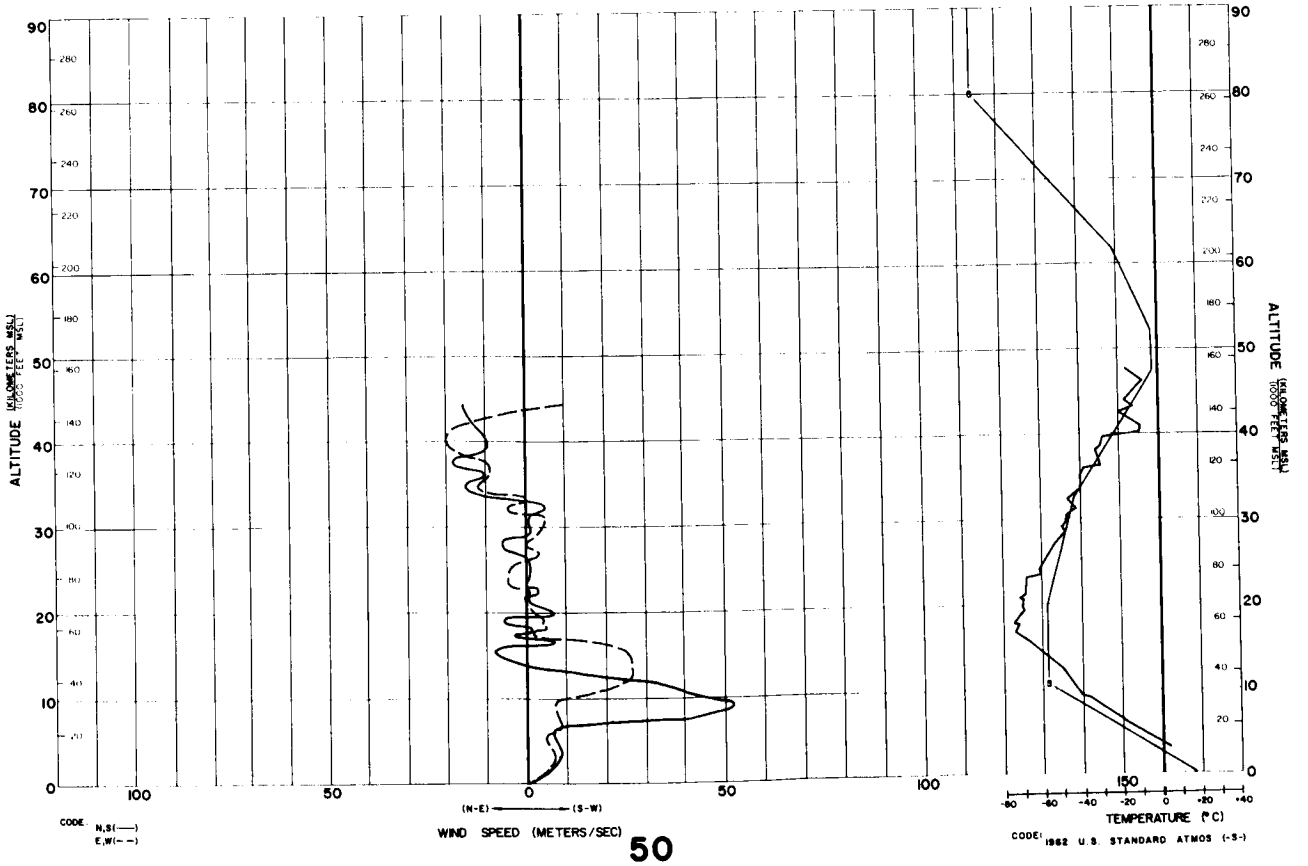
A MSL	TDC	PMB	D	SOS
4750	-16.3	01.017	01.378	321
4620	-07.8	01.202	01.578	327
4380	-16.9	01.639	02.228	321
4300	-12.5	01.819	02.431	324
4240	-18.9	01.968	02.696	320
4080	-09.4	02.424	03.201	326
4010	-09.8	02.651	03.506	325
3940	-28.5	02.909	04.142	314
3850	-29.8	03.295	04.717	313
3800	-32.7	03.533	05.118	311
3620	-30.0	04.543	06.508	313
3570	-38.0	04.875	07.222	307
3480	-39.8	05.551	08.287	306
3350	-40.2	06.703	10.023	306
3220	-46.2	08.115	12.456	302
3110	-42.0	09.546	14.387	305
3040	-46.8	10.588	16.294	302
2980	-46.7	11.581	17.816	302
2920	-49.2	12.674	19.714	300
2850	-47.8	14.084	21.772	301
2710	-53.2	17.427	27.600	297
2410	-61.0	27.899	45.811	292
2360	-60.0	30.214	49.380	293
2300	-67.9	33.301	56.520	287
2100	-68.5	46.370	78.934	287
2070	-71.8	48.755	84.354	284
2050	-70.3			
2000	-71.4			
1960	-70.0			
1870	-71.9			
1780	-75.1			
1760	-72.1			
1680	-74.3			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0043.8	2134	-002	-002		-64.7
0073.0	1829	-001	+004		-68.9
0122.0	1524	-008	+025		-66.4
0198.0	1219	+022	+026		-50.2
0312.0	0914	+052	+007	65	-38.2
0477.0	0610	+007	+008	12	-19.0
0702.0	0305	+008	+007	22	+03.5
1009.8	0000	+000	+000	76	+22.9
0050.0	2055	-001	-001		-67.8
0100.0	1641	+007	+017		-70.4
0300.0	0939	+050	+007		-40.2
0500.0	0573	+007	+005	11	-15.8
0700.0	0308	+008	+007	22	+03.4

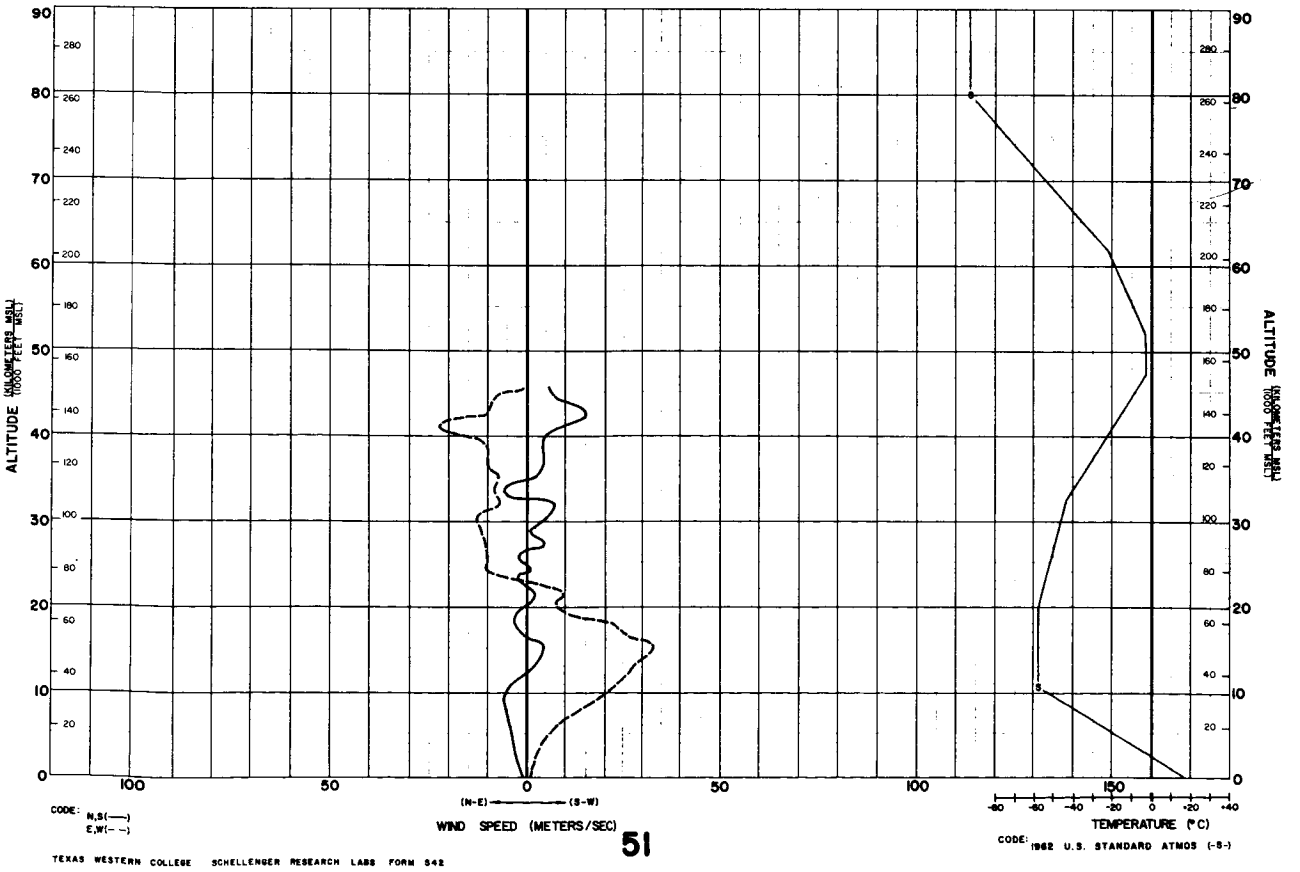


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WMT	WMB	TMT	TMB	° C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 08	1641	-05	00	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
101	4572	+006	-001										0008.8	3200				-43.0
085	4420	+008	-008										0011.0	3050	-001	-012		-46.3
084	4267	+015	-011										0013.8	2900	-002	-013		-45.9
049	4115	+010	-022										0017.2	2750	-001	-013		-51.3
039	3962	+004	-012										0021.7	2600	-003	-012		-53.6
032	3810	+004	-010										0027.4	2450	-004	-010		-55.7
029	3658	+004	-010										0045.6	2125	+002	+009		-59.7
025	3505	+002	-007										0073.7	1825	-003	+020		-64.9
022	3353	-006	-008										0120.2	1525	+004	+033		-61.4
019	3200	+007	-007										0193.5	1225	+000	+027		-58.7
015	3048	+005	-013										0308.5	0925	-006	+018	29	-43.0
013	2896	+001	-012										0486.7	0600	-004	+008	22	-16.0
012	2743	+004	-011										0714.2	0300	-003	+003	26	+03.1
010	2591	-002	-010										1026.1	0000	-001	+001	93	+08.2
009	2438	+001	-010										0010.0	3093	+001	-013		-47.9
008	2377	-002	-007										0050.0	2056	+001	+007		-57.6
													0100.0	1631	+000	+027		-63.6
													0500.0	0578	-004	+008	22	-14.2
													0700.0	0315	-003	+003	25	+02.0



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93111	PMR. POINT MUGU. CALIF.	66 02 08	1732	+01	03	02	07			00	3015	3015			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
107	5243	+036	+059
080	5003	+039	+056
064	4810	+042	+043
056	4643	+037	+041
051	4490	+034	+045
040	4253	+022	+050
035	4042	+023	+058
040	3801	+017	+037
034	3597	+007	+024
029	3442	+008	+019
028	3426	+008	+018
071	3015	-001	+002
019	2902	+000	+002
017	2798	+001	+001
016	2701	+001	+001
014	2618	+003	+002
015	2527	+003	+003
014	2445	+001	+004
011	2378	+001	+004
011	2246	+002	+001
009	2134	-001	+002
010	2012	-002	+004
008	1914	-001	+008
003	1840	+000	+008

THERMODYNAMICS

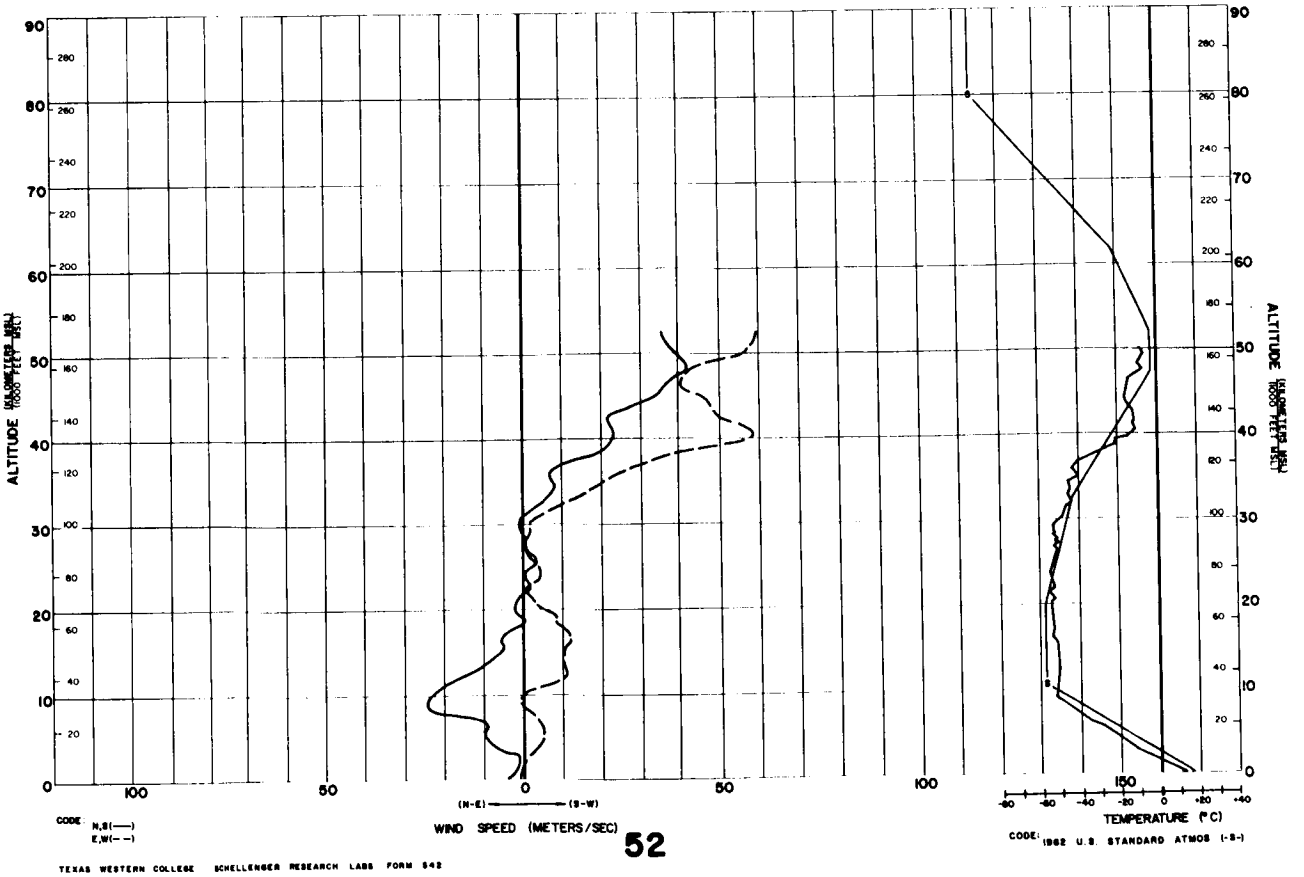
A MSL	TDC	PMB	D	SOS
5005	-09.0	00.754	00.995	326
4926	-06.8	00.834	01.090	327
4810	-09.8	00.966	01.278	325
4752	-07.5	01.040	01.364	327
4642	-14.0	01.198	01.610	323
4481	-16.0	01.478	02.002	321
4450	-16.6	01.540	02.090	321
4356	-15.8	01.740	02.357	322
4267	-12.1	01.955	02.609	324
4145	-11.1	02.288	03.042	325
4115	-12.3	02.379	03.176	324
4069	-11.4	02.524	03.359	324
3962	-15.6	02.901	03.923	322
3929	-21.3	03.030	04.191	318
3859	-21.6	03.328	04.609	318
3688	-40.2	04.224	06.316	306
3578	-43.6	04.960	07.527	304
3490	-40.6	05.641	08.451	306
3414	-46.3	06.309	09.688	302
3322	-44.8	07.233	11.034	303
3280	-45.4	07.697	11.774	303
3179	-43.5	08.937	13.557	304
3136	-47.4	09.527	14.701	301
3014	-48.9	11.446	17.780	300
2905	-52.5	13.511	21.330	298
2880	-52.8	14.039	22.195	298
2856	-52.1	14.566	22.954	298
2819	-52.5	15.416	24.338	298
2789	-51.4	16.140	25.356	299
2743	-51.7	17.316	27.239	298
2707	-50.9	18.294	28.675	299
2679	-52.9	19.096	30.203	298
2630	-51.6	20.586	32.369	298
2536	-52.3	23.775	37.501	298
2377	-54.8	30.389	48.484	296
2195	-52.7	40.264	63.627	298
2164	-54.9	42.242	67.425	296
2042	-52.4	51.011	80.500	298
2012	-54.4			
1737	-52.3			
1676	-52.9			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0005.4	3505	+009	+022		-42.0
0006.8	3353	+006	+008		-45.5
0008.6	3200	+001	+009		-46.5
0010.8	3048	+003	+004		-48.5
0013.6	2896	+002	+003		-50.9
0017.2	2743	+001	+004		-52.8
0021.7	2591	+005	+002		-53.1
0027.5	2438	+004	+000		-53.2
0044.2	2134	+004	+003		-56.4
0071.0	1829	-003	+009		-53.8
0113.6	1524	-005	+011		-51.4
0181.2	1219	-015	+011	13	-50.1
0289.3	0914	-024	-001	18	-51.8
0456.2	0610	-009	+004	18	-35.4
0690.6	0305	-004	+002	47	-12.6
1010.4	0000	-004	-001	12	+12.0
0010.0	3087	+002	+007		-47.6
0050.0	2048	+000	+003		-53.6
0100.0	1603	-006	+012		-53.0
0300.0	0890	-024	+000	18	-51.3
0500.0	0544	-010	+005	18	-29.5
0700.0	0294	-002	+001	50	-11.7

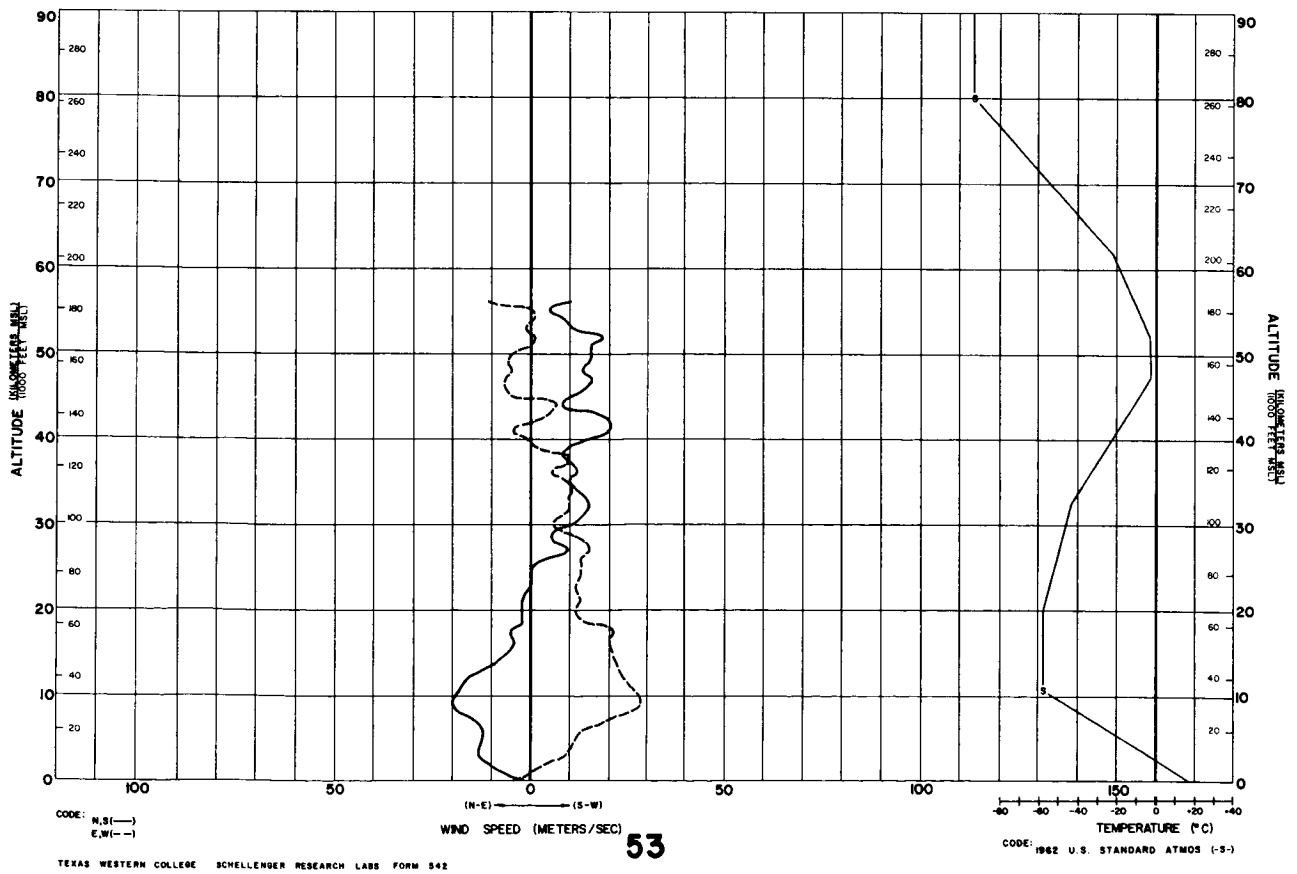


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE	TIME	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
		Y M D	Z												
13755	WALLOPS ISLAND, VIRGINIA	66 02 08	1816	-01	18	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
065	5600	+010	-011										0011.5	3030				-42.5
059	5500	+005	+000										0012.5	2972	+013	+000		-43.8
051	5400	+008	+001										0020.0	2658	+007	+015		-48.0
051	5300	+011	-001										0030.0	2391	+000	+015		-52.0
050	5200	+018	+001										0038.0	1967	-001	+010		-58.1
048	5100	+016	+000										0063.0	1916	-001	+010		-55.4
042	5000	+016	-004										0070.0	1848	-002	+017		-57.2
041	4900	+015	-006										0080.0	1764	-005	+021		-59.8
038	4800	+013	-005										1035.6	0000	-002	-004	69	+01.1
035	4700	+016	-007										0050.0	2062	+005	+010		-56.9
035	4600	+014	-007										0100.0	1622	-004	+020		-56.7
039	4500	+012	-005										0150.0	1363	-009	+022		-58.1
046	4400	+008	+007										0200.0	1182	-017	+024		-63.9
047	4300	+016	+005										0250.0	1045	-018	+027		-58.2
039	4200	+020	+000										0300.0	0926	-020	+028		-48.8
035	4100	+020	-004										0400.0	0730	-015	+020	40	-32.7
027	4000	+015	-001										0500.0	0569	-012	+013	26	-20.5
024	3900	+010	+001										0700.0	0311	-013	+009	20	-06.9
021	3800	+008	+009										0850.0	0158	-009	+002	43	-00.6
017	3700	+011	+009										1000.0	0028	-004	-002	63	-00.5
017	3600	+012	+006															
016	3500	+010	+008															
014	3400	+012	+011															
014	3300	+014	+010															
013	3200	+015	+010															
011	3100	+013	+008															
013	3000	+011	+006															
012	2900	+006	+009															
011	2800	+006	+014															
011	2700	+009	+015															
010	2600	+005	+013															
009	2500	+001	+013															
007	2400	+000	+013															
007	2300	+000	+012															
007	2200	-001	+012															
006	2100	-002	+013															
006	2000	-002	+012															
006	1900	-002	+013															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 08	1958	-03	18	02	00			00	5653	5653			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
066	5653	+000	-005
050	5307	+005	+010
042	5032	+009	+008
041	4784	+014	+005
034	4558	+018	+000
032	4360	+012	+003
036	4157	+026	+008
030	3961	+019	+000
030	3780	+011	+005
020	3627	+011	+008
020	3507	+010	+005
015	3403	+007	+011
014	3316	+009	+011
016	3225	+014	+008
014	3135	+013	+009
010	3065	+014	+011
012	2999	+011	+005
010	2902	+007	+008
011	2777	+004	+013
008	2662	+008	+019
009	2560	+007	+015

THERMODYNAMICS

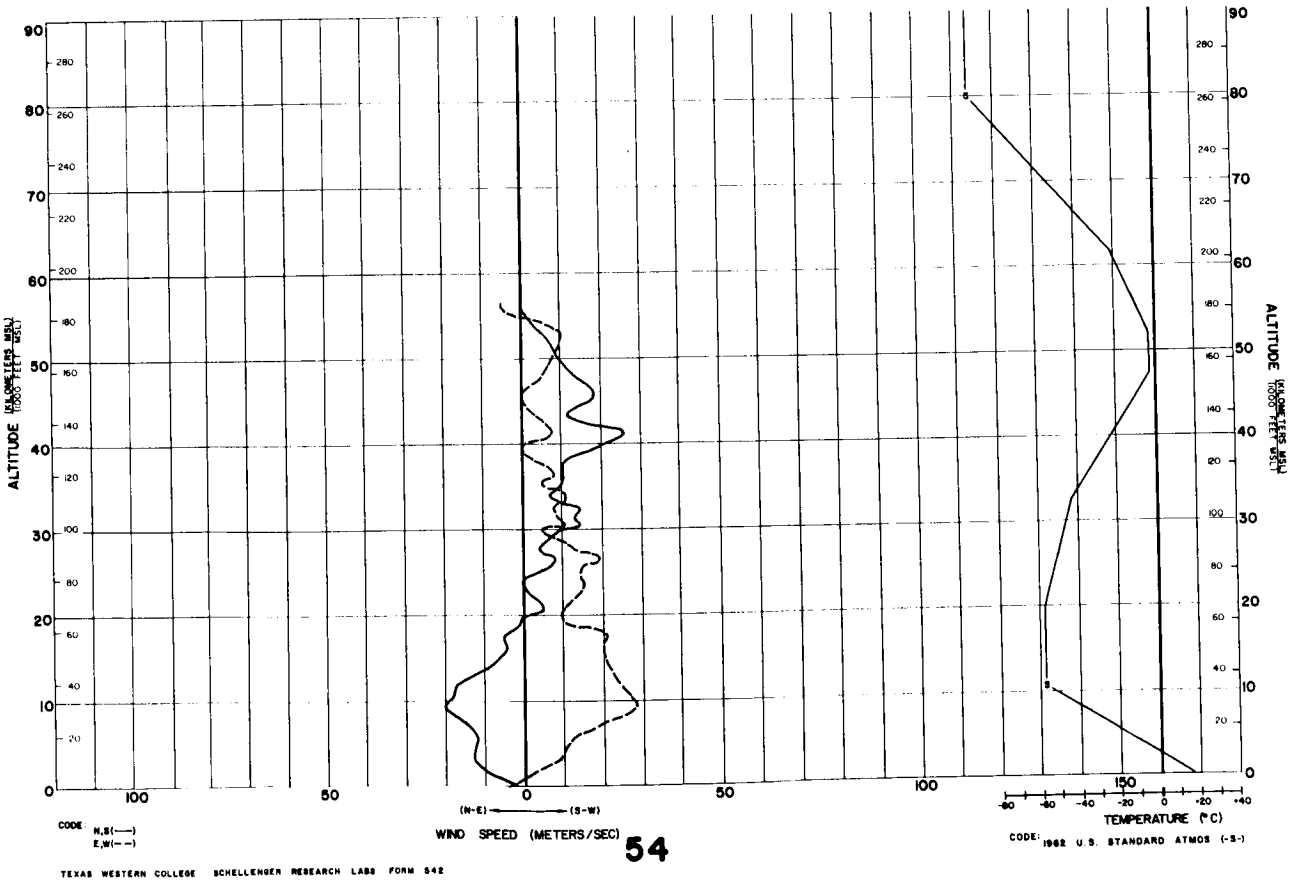
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0011.5	3030				-42.5
0012.5	2972	+013	+000		-43.8
0020.0	2658	+007	+015		-48.0
0030.0	2391	+000	+015		-52.0
0058.0	1967	-001	+010		-58.1
0063.0	1916	-001	+010		-55.4
0070.0	1848	-002	+017		-57.2
0080.0	1764	-005	+021		-59.8
1035.6	0000	-002	-004	69	+01.1
0050.0	2062	+005	+010		-56.9
0100.0	1622	-004	+020		-56.7
0150.0	1363	-009	+022		-58.1
0200.0	1182	-017	+024		-63.9
0250.0	1045	-018	+027		-58.2
0300.0	0926	-020	+028		-48.8
0400.0	0730	-015	+020	40	-32.7
0500.0	0569	-012	+013	26	-20.5
0700.0	0311	-013	+009	20	-06.9
0850.0	0158	-009	+002	43	-00.6
1000.0	0028	-004	-002	63	-00.5



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 08	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
106	5577	-021	-058
093	5278	-033	-052
083	5013	-028	-032
055	4724	-030	-026
049	4413	-040	-030
040	4148	-038	-029
033	3930	-045	-020
028	3747	-040	-010
027	3583	-038	-018
024	3433	-036	-009
021	3299	-030	-006
020	3178	-027	-002
017	3068	-026	+000
015	2973	-020	+000
016	2883	-016	+003
012	2799	-018	+008
013	2725	-015	+009
010	2656	-018	+012
011	2562	-013	+008
010	2440	-010	+011
008	2336	-010	+009
007	2245	-008	+009
007	2160	-006	+014
006	2087	-007	+014
006	2017	-004	+015
006	1946	-002	+014
005	1882	-003	+018

THERMODYNAMICS

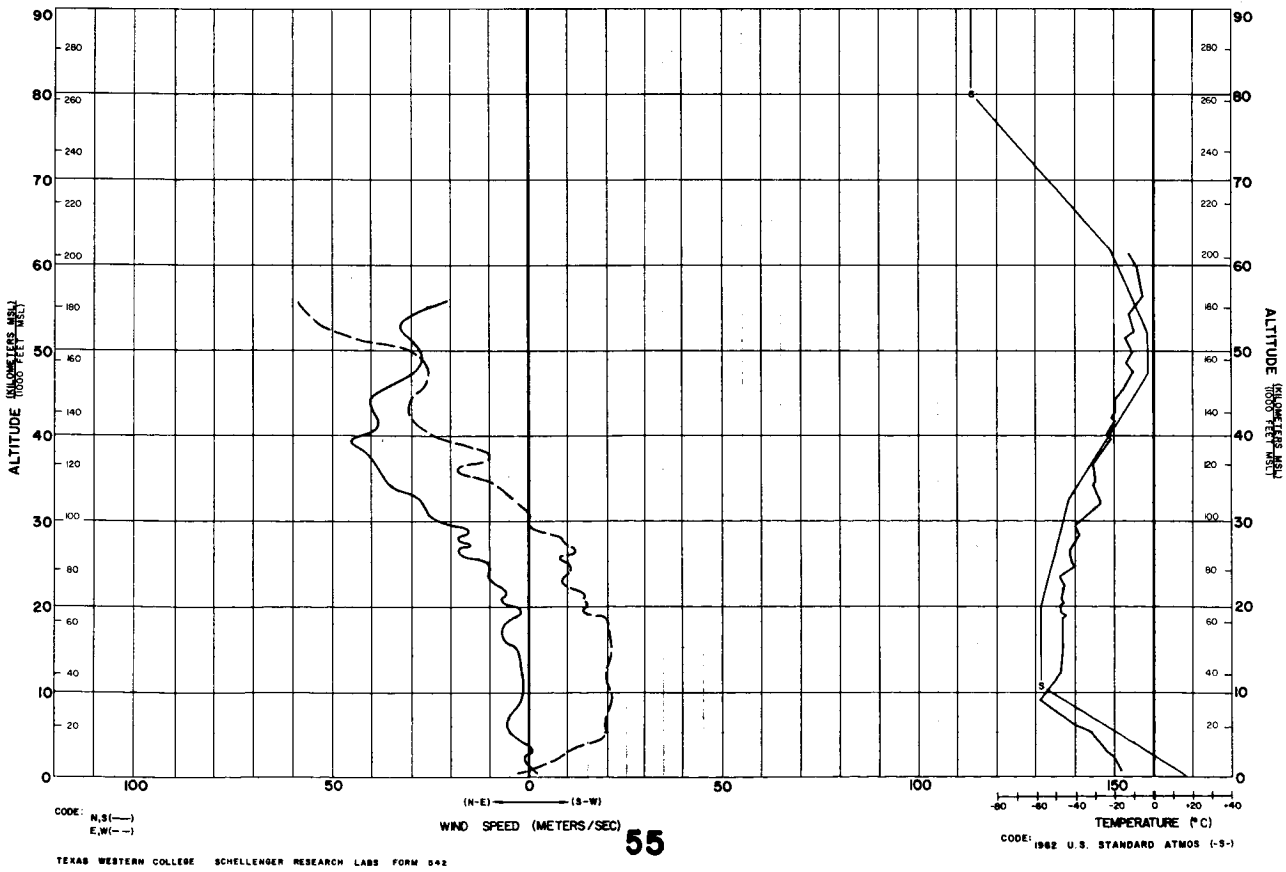
A MSL	TDC	PMB	D	SOS
6115	-13.3	00.194	00.259	323
5990	-08.0	00.227	00.298	326
5630	-05.6	00.358	00.465	328
5420	-12.5	00.467	00.624	324
5215	-10.1	00.608	00.804	325
5140	-15.3	00.669	00.904	322
4980	-11.0	00.823	01.094	325
4835	-14.3	00.993	01.336	323
4740	-10.5	01.123	01.488	325
4620	-13.9	01.310	01.760	323
4550	-14.5	01.435	01.933	322
4460	-17.9	01.615	02.204	320
4410	-19.0	01.726	02.365	320
4270	-18.5	02.077	02.841	320
4215	-21.4	02.235	03.092	318
4175	-20.1	02.358	03.245	319
4020	-23.7	02.903	04.054	317
3960	-21.7	03.147	04.360	318
3710	-30.5	04.429	06.358	312
3645	-31.9	04.850	07.002	311
3465	-30.0	06.234	08.931	313
3400	-31.1	06.825	09.822	312
3250	-26.9	08.400	11.884	315
3170	-27.0	09.376	13.269	315
2945	-40.0	12.883	19.248	306
2850	-38.0	14.776	21.894	307
2665	-42.5	19.342	29.212	304
2595	-42.8	21.438	32.421	304
2480	-41.9	25.382	38.236	305
2460	-40.1	26.134	39.065	306
2355	-47.5	30.522	47.121	301
2235	-45.5	36.526	55.895	302
2085	-46.7	45.705	70.312	302
2030	-46.1	49.627	76.144	302
2010	-47.0			
1925	-46.9			
1880	-44.5			
1870	-46.8			
1845	-46.3			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0017.2	2743	-018	+001		-35.1
0021.3	2591	-018	+011		-43.6
0026.8	2438	-013	+014		-45.0
0042.4	2134	-010	+014		-47.6
0067.7	1829	-004	+022		-48.7
0106.5	1524	-004	+021		-45.9
0168.9	1219	-002	+020		-47.4
0269.5	0914	-002	+021		-57.2
0430.3	0610	-006	+019		-40.4
0660.1	0305	+001	+010	64	-23.9
0940.0	0040	+002	-003	81	-16.3
0050.0	2025	-011	+017		-48.1
0100.0	1567	-006	+021		-46.9
0500.0	0505	-005	+019	14	-32.3
0700.0	0262	-001	+008	54	-20.7



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 08	2307	-03	01	02	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
051	4481	+007	-006
049	4420	+009	-008
044	4267	+003	-012
040	4115	+009	-020
034	3962	+008	-027
030	3810	+006	-031
028	3658	+003	-025
024	3505	-001	-025
022	3353	-008	-018
020	3200	+003	-013
017	3048	+003	-005
014	2896	+004	-009
012	2743	-005	-014
010	2591	+001	-009
009	2499	+002	-006

THERMODYNAMICS

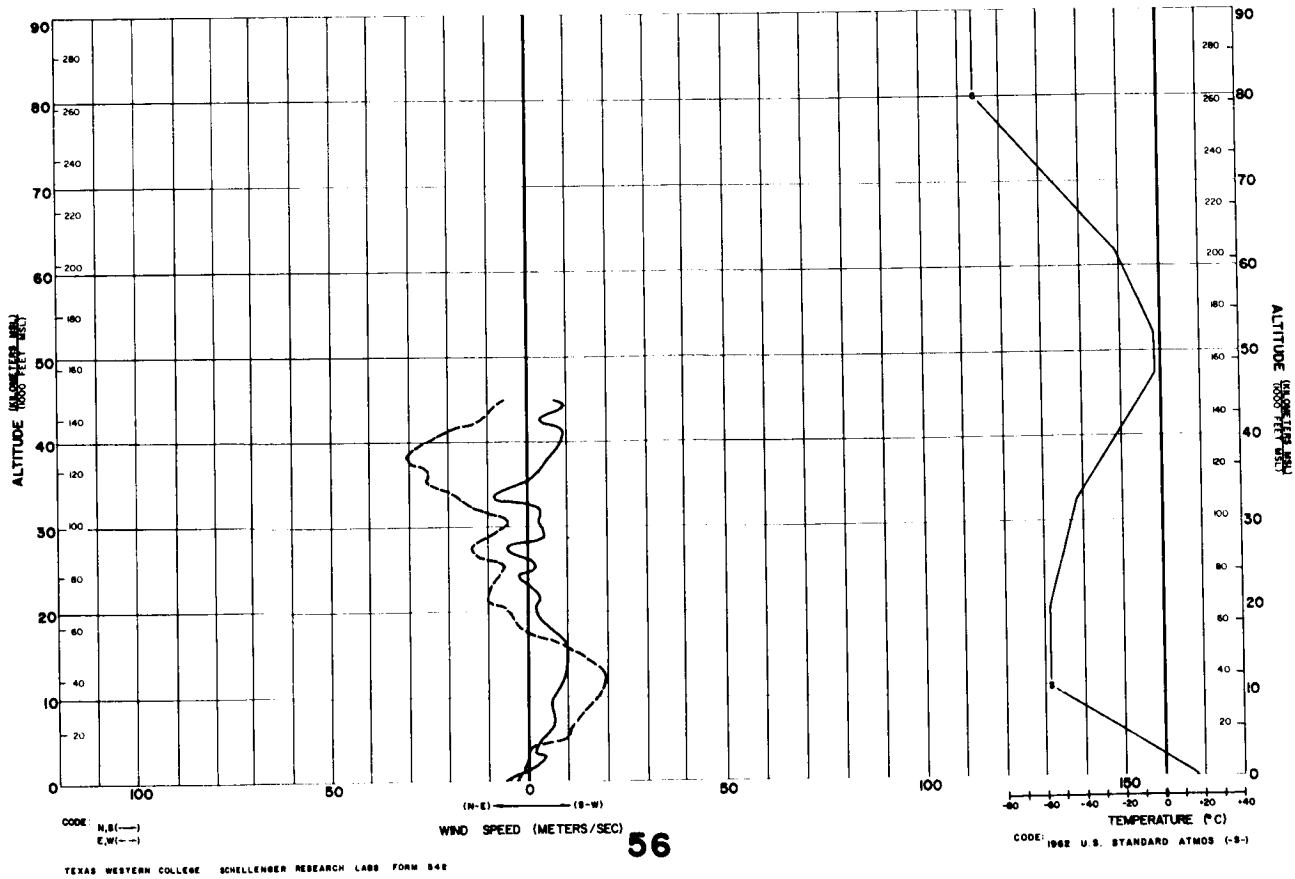
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0006.9	3353	-005	-015		-39.6
0008.7	3200	+000	-013		-41.0
0010.8	3048	+002	-012		-47.3
0013.6	2896	+008	+018		-49.0
0017.2	2743	+000	-012		-53.2
0021.7	2591	-003	-004		-54.7
0027.6	2438	-002	-007		-58.9
0044.9	2134	+003	-010		-62.1
0074.5	1829	+005	-002		-77.6
0126.2	1524	+010	+011		-72.2
0207.0	1219	+009	+019	19	-52.7
0323.5	0914	+006	+016	16	-29.5
0485.8	0610	+006	+011	14	-09.1
0710.7	0305	+004	+000	48	+07.3
1017.5	0000	-006	-003	73	+24.8
0010.0	3081	-001	-013		-44.2
0050.0	2056	+002	-006		-64.7
0100.0	1653	+009	+007		-76.7
0500.0	0585	+005	+011	16	-08.8
0700.0	0317	+002	+000	41	+06.4

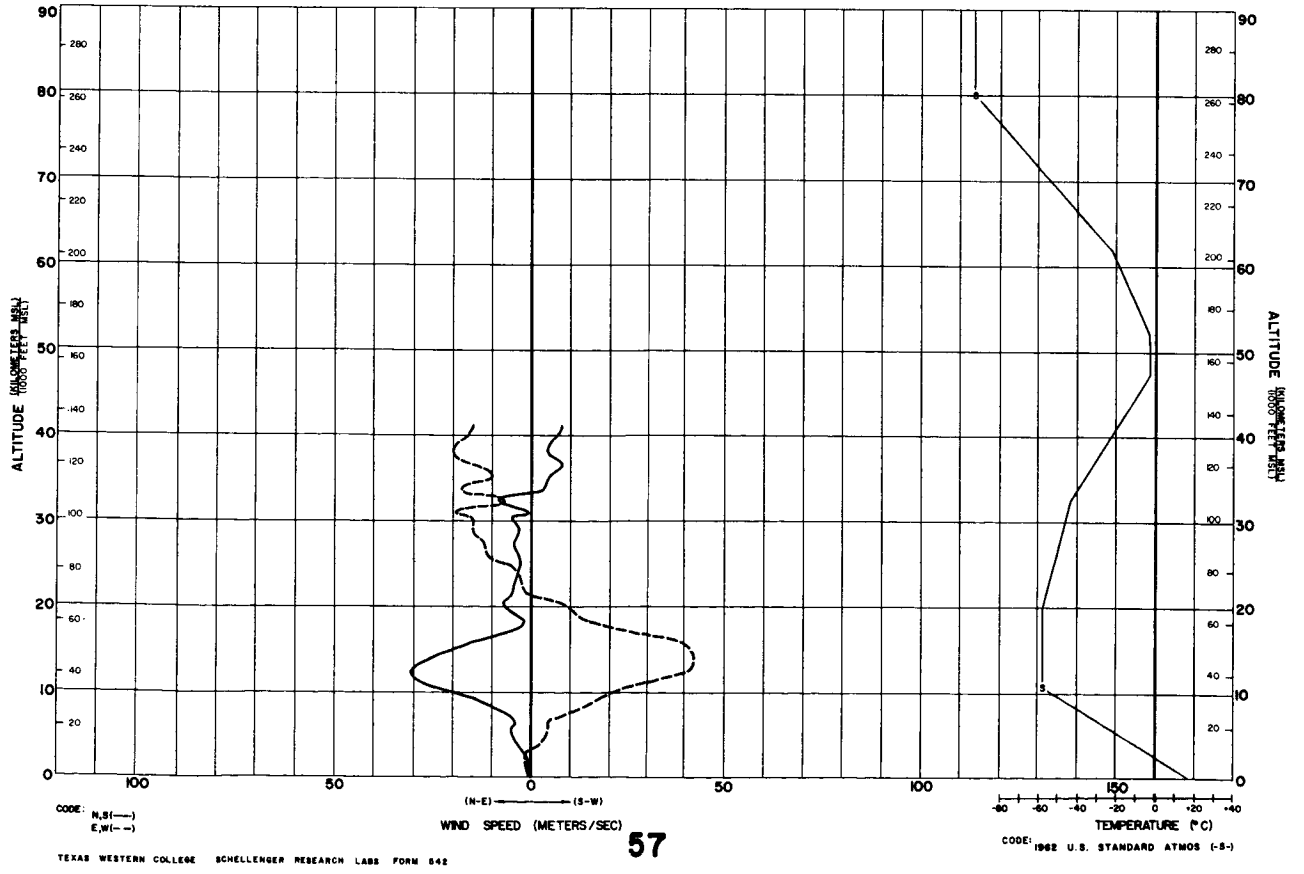


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 548

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 08	2307	+02	01	02	00								1

ROCKET WINDS				THERMODYNAMICS				COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
039	4115	+008	-015										0008.8	3200				-44.5
035	3962	+006	-017										0011.0	3048	-005	-016		-46.5
032	3810	+004	-020										0013.8	2896	-003	-015		-51.2
028	3658	+008	-015										0017.4	2743	-004	-012		-52.6
024	3505	+005	-010										0022.0	2591	-003	-011		-54.6
022	3353	+003	-018										0027.9	2438	-003	-004		-55.9
020	3231	-008	-007										0045.0	2134	-005	-001		-59.8
													0073.5	1829	-002	+015		-65.4
													0121.1	1524	-017	+041		-64.0
													0197.8	1219	-031	+041		-61.1
													0315.6	0914	-014	+017	43	-40.4
													0482.1	0610	-004	+004	27	-16.5
													0711.7	0305	-002	-001	39	-01.5
													1028.1	0000	+000	+000	83	+16.4
													0010.0	3089	-001	-019		-45.1
													0050.0	2057	-007	+007		-60.7
													0100.0	1634	-010	+034		-65.4
													0500.0	0580	-005	+004	28	-14.5
													0700.0	0317	-002	+000	29	-01.6



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 09	0000	+01	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
095	5486	-008	-008
087	5334	-009	-006
079	5182	-007	+001
073	5029	+000	+006
067	4877	+005	+003
061	4724	+003	+001
055	4572	+007	-002
049	4420	+013	-003
043	4267	+021	-004
039	4115	+011	-014
035	3962	+004	-016
031	3810	+005	-022
028	3658	+006	-013
024	3505	+004	-009
022	3353	+005	-017
019	3200	-003	-007
017	3048	-006	-013
014	2896	-003	-013
012	2743	-001	-009
010	2591	-001	-010
009	2438	-001	-004
007	2316	+001	-003

THERMODYNAMICS

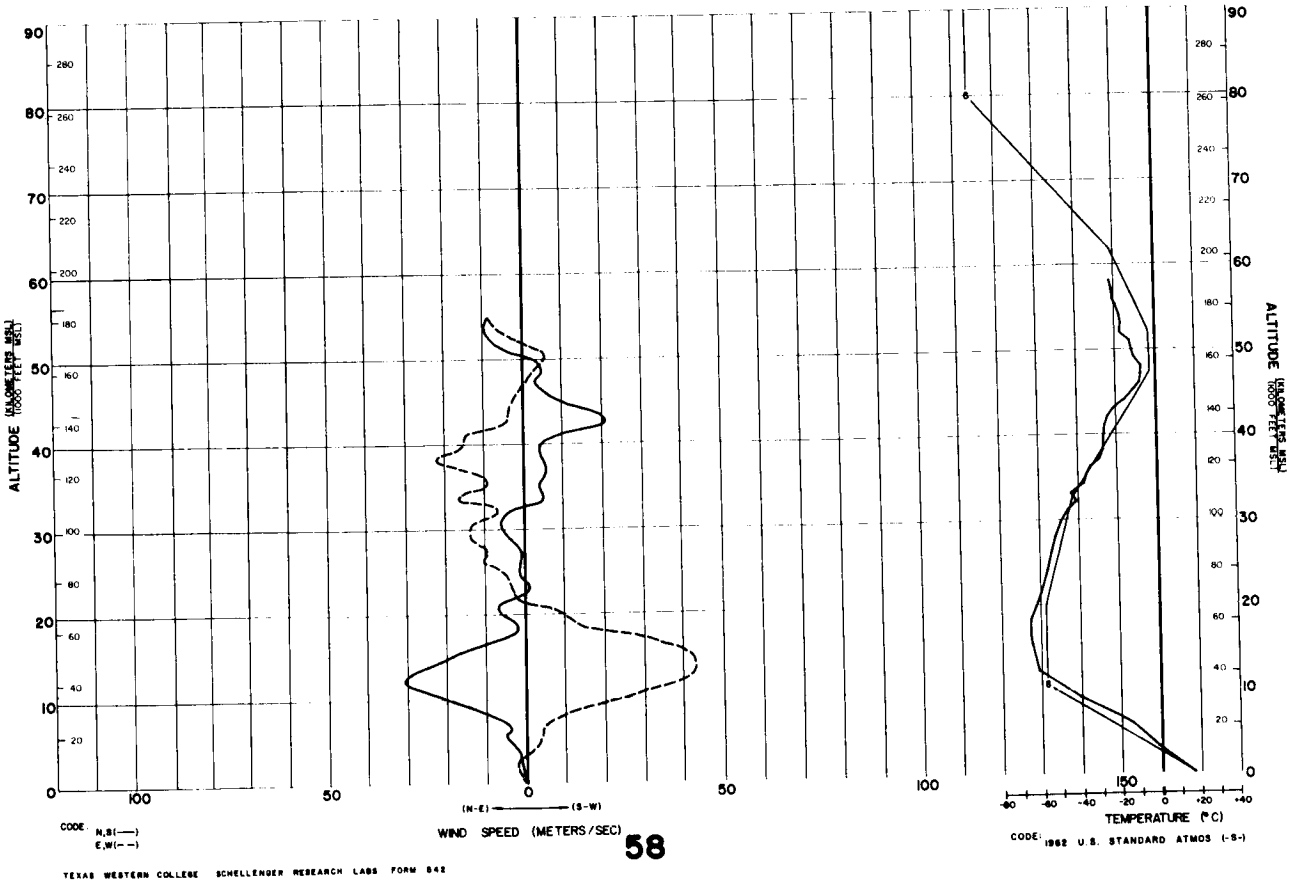
A MSL	TDC	PMB	D	SOS
5800	-22.0	00.265	00.368	318
5700	-21.1	00.303	00.419	319
5600	-20.9	00.346	00.478	319
5500	-19.2	00.395	00.542	320
5400	-17.5	00.451	00.614	321
5300	-17.4	00.514	00.700	321
5200	-17.7	00.586	00.799	321
5100	-12.8	00.667	00.893	324
5000	-11.9	00.759	01.012	324
4900	-10.5	00.863	01.144	325
4800	-07.4	00.979	01.284	327
4700	-08.1	01.111	01.461	327
4600	-08.3	01.262	01.660	327
4500	-11.7	01.433	01.910	325
4400	-16.9	01.632	02.219	321
4300	-21.1	01.863	02.575	319
4200	-24.6	02.131	02.987	316
4100	-27.0	02.441	03.455	315
4000	-26.9	02.799	03.959	315
3900	-27.1	03.208	04.543	315
3800	-27.1	03.679	05.209	315
3700	-29.0	04.221	06.023	314
3600	-34.5	04.853	07.084	310
3500	-36.0	05.591	08.214	309
3400	-37.0	06.447	09.511	308
3300	-43.5	07.451	11.304	304
3200	-40.9	08.623	12.934	306
3100	-46.5	09.989	15.353	302
3000	-49.6	11.604	18.084	300
2800	-52.5	15.734	24.842	298
2600	-54.7	21.425	34.168	297
2400	-56.3	29.220	46.943	296

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.8	3200				-44.5
0011.0	3048	-005	-016		-46.5
0013.8	2896	-003	-015		-51.2
0017.4	2743	-004	-012		-52.6
0022.0	2591	-003	-011		-54.6
0027.9	2438	-003	-004		-55.9
0045.0	2134	-005	-001		-59.8
0073.5	1829	-002	+015		-65.4
0121.1	1524	-017	+041		-64.0
0197.8	1219	-031	+041		-61.1
0315.6	0914	-014	+017	43	-40.4
0482.1	0610	-004	+004	27	-16.5
0711.7	0305	-002	-001	39	-01.5
1028.1	0000	+000	+000	83	+16.4
0010.0	3089	-001	-019		-45.1
0050.0	2057	-007	+007		-60.7
0100.0	1634	-010	+034		-65.4
0500.0	0580	-005	+004	28	-14.5
0700.0	0317	-002	+000	29	-01.6

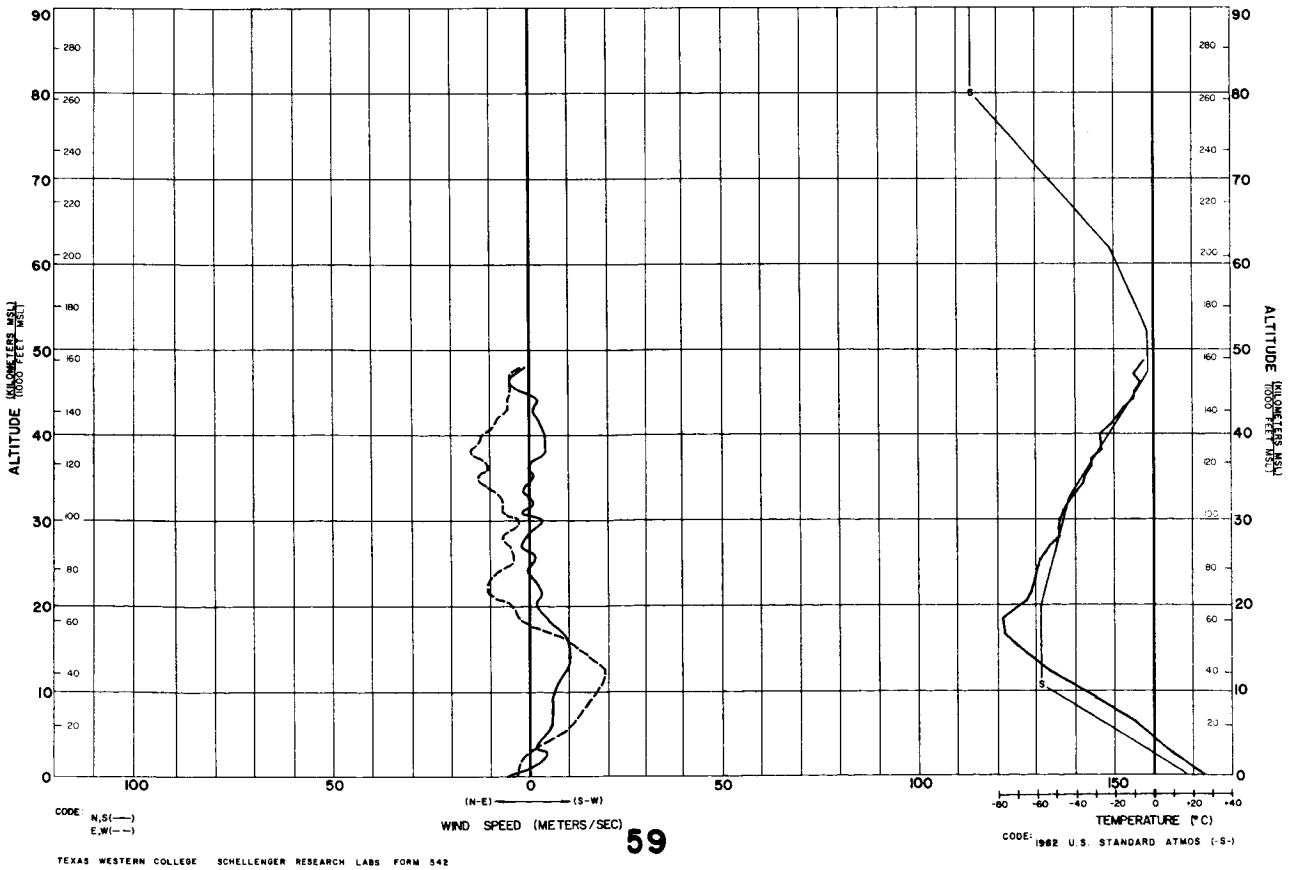


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 09	0007	-04	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
	4800	-001	-002	4850	-05.0	00.938	01.220	329					0006.9	3353	-005	-015		-39.6
060	4700	-004	-005	4800	-05.9	00.999	01.310	328					0008.7	3200	+000	-013		-41.0
056	4600	-005	-005	4700	-09.8	01.134	01.500	326					0010.8	3048	+002	-012		-47.3
052	4500	-002	-005	4600	-06.3	01.287	01.681	328					0013.6	2896	+008	-018		-49.0
048	4400	+002	-006	4500	-08.5	01.461	01.925	327					0017.2	2743	+000	-012		-53.2
045	4300	+001	-006	4400	-11.3	01.661	02.210	325					0021.7	2591	-003	-004		-54.7
042	4200	+002	-008	4300	-14.7	01.891	02.545	323					0027.6	2438	-002	-007		-58.9
038	4100	+003	-009	4200	-18.4	02.156	02.954	320					0044.9	2134	+003	-010		-62.1
035	4000	+004	-012	4100	-21.9	02.463	03.412	318					0074.5	1829	+005	-002		-77.6
033	3900	+004	-013	4000	-26.7	02.821	03.987	315					0126.2	1524	+010	+011		-72.2
031	3800	+004	-015	3900	-26.5	03.233	04.566	315					0207.0	1219	+009	+019	19	-52.7
029	3700	+001	-012	3800	-26.5	03.706	05.233	315					0323.5	0914	+006	+016	16	-29.5
026	3600	+000	-011	3700	-31.7	04.257	06.141	312					0485.8	0610	+006	+011	14	-09.1
024	3500	+001	-013	3600	-32.2	04.895	07.078	312					0710.7	0305	+004	+000	48	+07.3
022	3400	-001	-011	3500	-34.8	05.634	08.230	310					1017.5	0000	-006	-003	73	+24.8
021	3300	-001	-008	3400	-36.4	06.494	09.557	309					0010.0	3081	-001	-013		-44.2
019	3200	+001	-007	3300	-40.4	07.496	11.206	306					0050.0	2056	+002	-006		-64.7
018	3100	-002	-007	3200	-43.8	08.679	13.184	304					0100.0	1653	+009	+007		-76.7
016	3000	+003	-003	3100	-45.9	10.060	15.436	303					0500.0	0585	+005	+011	16	-08.8
014	2900	+001	-004	3000	-47.5	11.680	18.037	301					0700.0	0317	+002	+000	41	+06.4
013	2800	-001	-007	2900	-48.5	13.572	21.046	301										
011	2700	-002	-005	2800	-48.2	15.771	24.463	301										
010	2600	+001	-004	2700	-53.3	18.366	29.110	298										
009	2500	+001	-004	2600	-54.9	21.433	34.212	297										
008	2450	+000	-006	2500	-57.6	25.051	40.480	295										
				2450	-58.7	27.100	43.993	294										



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 09	1500	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
120	5650	-012	-022
113	5600	-012	-024
102	5500	-014	-028
100	5400	-013	-035
092	5300	-010	-043
086	5200	-006	-046
079	5100	-002	-041
075	5000	-003	-032
071	4900	-007	-025
066	4800	-008	-024
062	4700	-008	-030
059	4600	-005	-038
055	4500	-001	-050
050	4400	-001	-066
047	4300	-003	-075
042	4200	-002	-076
039	4100	-001	-069
038	4000	+000	-056
035	3900	+002	-044
033	3800	-001	-035
030	3700	+000	-046
028	3600	+001	-042
025	3500	+000	-034
024	3400	-005	-036
022	3300	+000	-029
020	3200	+003	-033
018	3100	-001	-024
017	3000	-006	-023
013	2800	-003	-018
010	2600	-001	-008
009	2450	-004	-032

THERMODYNAMICS

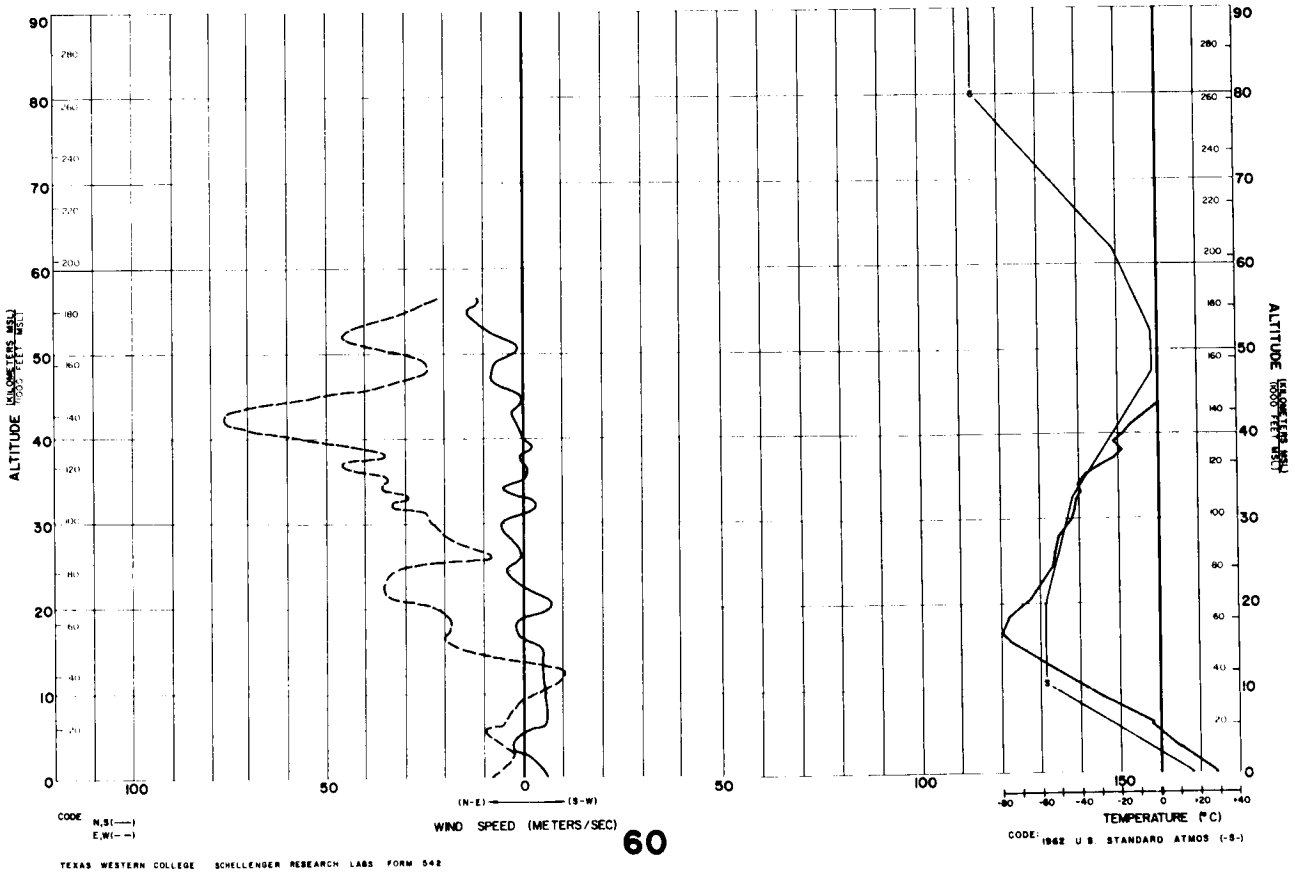
A MSL	TDC	PMB	D	SOS
4350	-00.1	01.838	02.349	332
4300	-02.8	01.956	02.523	330
4200	-08.4	02.219	02.915	327
4100	-13.7	02.524	03.394	323
4000	-18.0	02.877	03.918	321
3900	-22.1	03.286	04.554	319
3800	-18.2	03.755	05.138	320
3700	-22.3	04.290	05.939	318
3600	-30.0	04.918	07.021	313
3500	-36.6	05.661	08.380	309
3400	-40.1	06.538	09.776	306
3300	-39.1	07.553	11.223	307
3200	-41.8	08.734	13.146	305
3100	-42.3	10.106	15.261	305
3000	-44.3	11.701	17.774	304
2800	-50.8	15.812	24.769	299
2600	-53.3	21.476	34.047	298
2450	-54.2	27.021	42.916	297

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.9	3048				-44.2
0013.7	2896	+002	-023		-49.8
0017.3	2743	+002	-021		-52.9
0021.8	2591	+003	-018		-51.9
0027.5	2438	-003	-030		-54.0
0044.7	2134	+005	-034		-63.7
0074.4	1829	-002	-018		-76.4
0126.8	1524	+004	-017		-75.9
0208.1	1219	+005	+011	12	-52.1
0324.7	0914	+006	-001	11	-29.6
0486.7	0610	+005	-006	07	-04.7
0710.4	0305	-002	-003	13	+10.4
1005.1	0008	+006	-008	72	+27.5
0050.0	2054	+007	-027		-65.8
0100.0	1652	-001	-020		-79.9
0500.0	0586	+003	-009	05	-04.8
0700.0	0316	-003	-004	11	+09.7



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 09	1500	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
066	4877	+000	-007
060	4724	-005	-013
054	4572	-008	-019
049	4420	-023	-015
044	4267	-002	-014
039	4115	-008	-027
036	3962	-010	-019
033	3810	-007	-005
028	3658	+004	-011
025	3505	+004	-008
022	3353	+012	-011
019	3200	-004	-014
017	3048	-004	-008
014	2896	-003	-010
011	2743	+000	-013
010	2591	-001	-015
009	2438	-003	-014
008	2377	-003	-010

THERMODYNAMICS

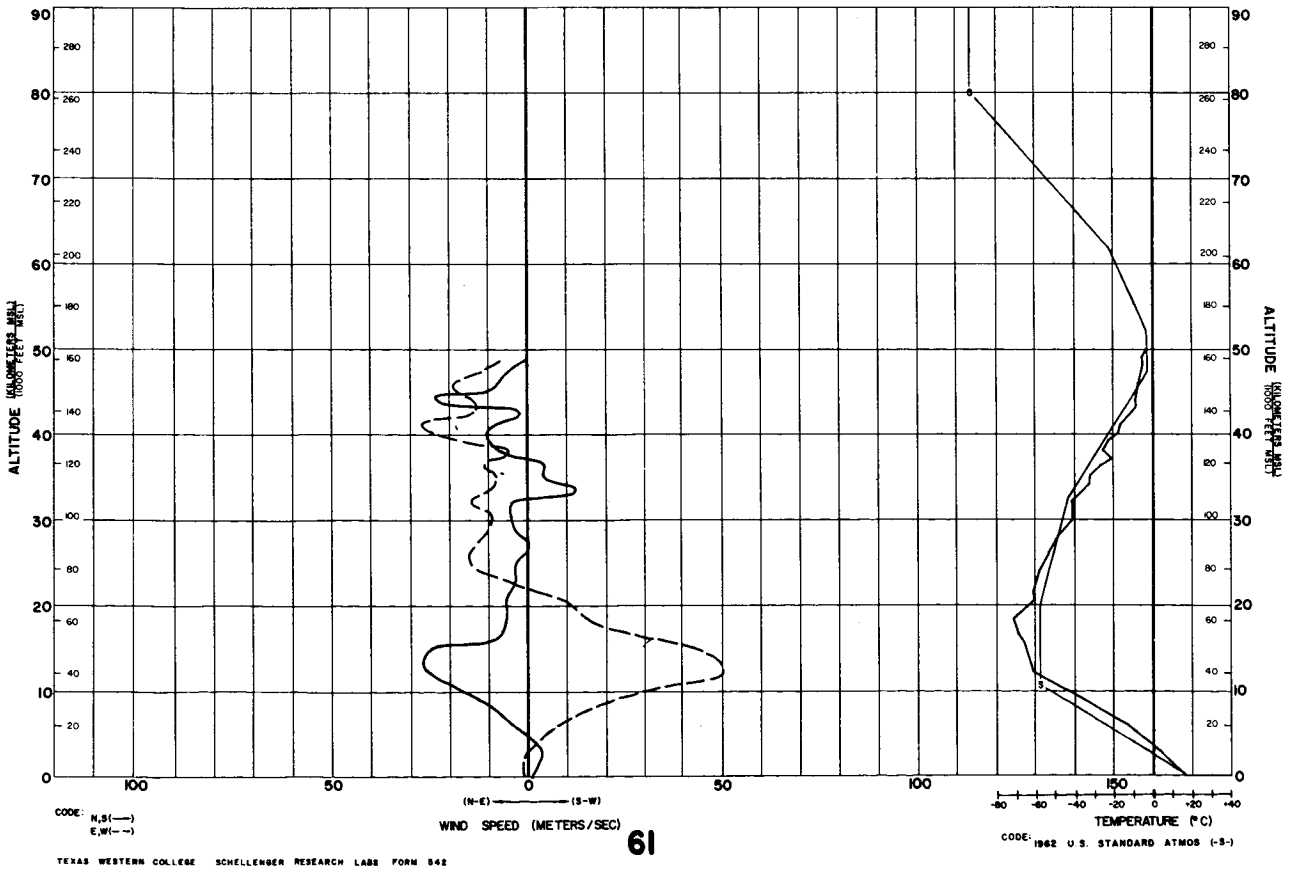
A MSL	TDC	PMB	D	SOS
5000	-03.9	00.822	01.063	329
4900	-04.6	00.932	01.209	329
4800	-05.4	01.056	01.374	328
4700	-06.1	01.197	01.561	328
4600	-06.8	01.357	01.775	328
4500	-07.5	01.539	02.019	327
4400	-08.9	01.748	02.304	326
4300	-09.4	01.985	02.622	326
4200	-13.4	02.257	03.027	323
4100	-16.4	02.571	03.488	322
4000	-17.2	02.931	03.990	321
3900	-23.0	03.348	04.663	317
3800	-24.8	03.833	05.376	316
3700	-21.2	04.385	06.063	319
3600	-27.3	05.020	07.114	315
3500	-32.3	05.766	08.340	311
3400	-32.6	06.632	09.606	311
3300	-36.7	07.640	11.256	309
3200	-41.2	08.823	13.252	306
3100	-41.2	10.204	15.326	306
3000	-41.6	11.804	17.760	305
2800	-48.9	15.888	24.683	301
2600	-53.3	21.544	34.139	298
2400	-57.5	29.380	47.463	295

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0005.7	3500				-34.9
0007.1	3350	+008	-012		-35.7
0008.8	3200	+001	-013		-40.2
0010.9	3050	+001	-007		-43.1
0013.6	2900	+001	-014		-49.6
0017.1	2750	-004	-014		-51.4
0021.5	2600	-002	-018		-51.8
0027.2	2450	-005	-014		-56.8
0045.4	2125	-005	+004		-60.7
0074.0	1825	-006	+016		-71.7
0121.9	1525	-023	+040		-66.1
0197.8	1225	-026	+050		-60.9
0312.3	0925	-013	+023	37	-37.1
0488.6	0600	-004	+008	28	-14.9
0715.2	0300	+003	+000	25	+03.0
1027.4	0000	+001	-001	78	+16.3
0010.0	3088	+001	-008		-42.0
0050.0	2053	-006	+009		-61.2
0100.0	1638	-008	+029		-69.0
0500.0	0581	-003	+007	28	-14.0
0700.0	0317	+003	+001	25	+03.4

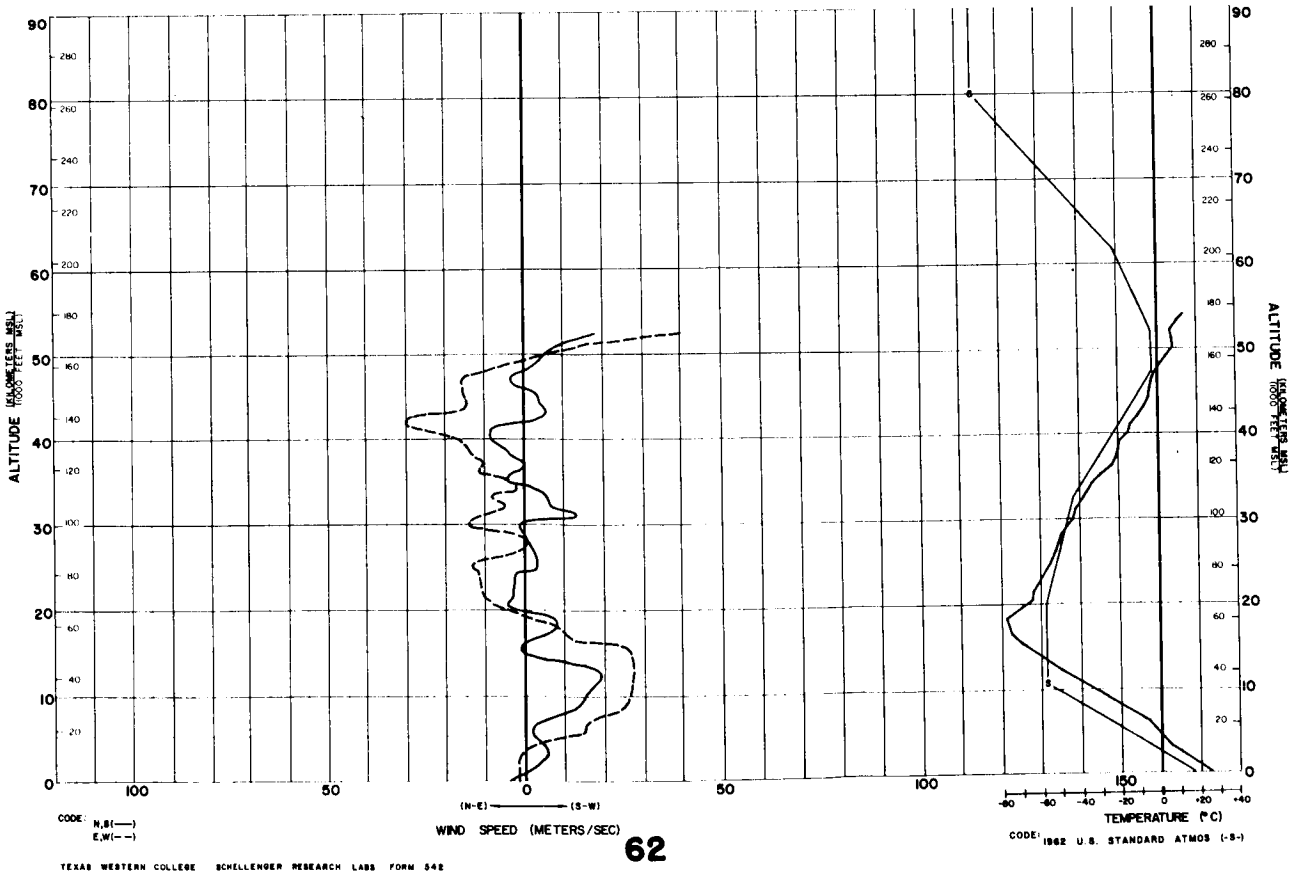


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 09	1508	-04	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
	5225	+018	+040	5375	+12.9	00.546	00.671	339					0011.1	3048				-44.7
	5200	+016	+034	5300	+09.8	00.597	00.733	338					0013.9	2896	+002	-004		-48.2
084	5100	+009	+016	5200	+06.7	00.672	00.837	336					0017.6	2743	+007	-001		-48.8
075	5000	+005	+006	5100	+07.6	00.758	00.943	336					0022.1	2591	+002	-010		-51.6
070	4900	+003	-002	5000	+08.0	00.854	01.062	337					0028.0	2438	-002	-012		-55.9
066	4800	+000	-009	4900	+04.5	00.964	01.208	334					0045.3	2134	-003	-010		-62.9
062	4700	-003	-016	4800	+01.1	01.089	01.388	332					0075.1	1829	+008	+007		-77.1
059	4600	+000	-016	4700	-01.9	01.232	01.580	331					0126.7	1524	-001	+026		-70.7
055	4500	+003	-016	4600	-02.9	01.395	01.797	330					0206.8	1219	+019	+027	26	-50.8
052	4400	+004	-014	4500	-03.8	01.580	02.043	329					0322.6	0914	+014	+026	24	-27.5
048	4300	+006	-018	4400	-04.6	01.790	02.323	329					0485.3	0610	+002	+015	25	-08.6
045	4200	+001	-030	4300	-07.0	02.030	02.660	327					0711.4	0305	+006	-001	80	+06.0
040	4100	-008	-025	4200	-10.5	02.306	03.059	325					1018.3	0000	-004	-002	70	+24.6
038	4000	-008	-017	4100	-13.0	02.624	03.507	324					0010.0	3098				-44.8
034	3900	-006	-015	4000	-15.2	02.988	04.034	322					0050.0	2061	-004	-007		-64.5
032	3800	-003	-013	3900	-18.3	03.408	04.660	320					0100.0	1655	+002	+012		-75.1
030	3700	+000	-011	3800	-19.8	03.891	05.350	319					0500.0	0585	+002	+015	25	-06.7
027	3600	-002	-012	3700	-21.6	04.447	06.151	318					0700.0	0317	+006	-001	63	+04.9
026	3500	-004	-004	3600	-23.1	05.087	07.089	317										
024	3400	+003	-002	3500	-29.0	05.833	08.330	314										
022	3300	+006	-008	3400	-34.0	06.707	09.772	310										
020	3200	+007	-005	3300	-35.7	07.728	11.331	309										
018	3100	+013	-010	3200	-38.7	08.915	13.234	307										
016	3000	-001	-014	3100	-42.0	10.305	15.559	305										
013	2800	+001	+001	3000	-43.6	11.935	18.113	304										
010	2600	+003	-007	2800	-50.0	16.064	25.079	300										
009	2475	+003	-013	2600	-52.6	21.787	34.391	298										
				2450	-55.4	27.460	43.954	296										

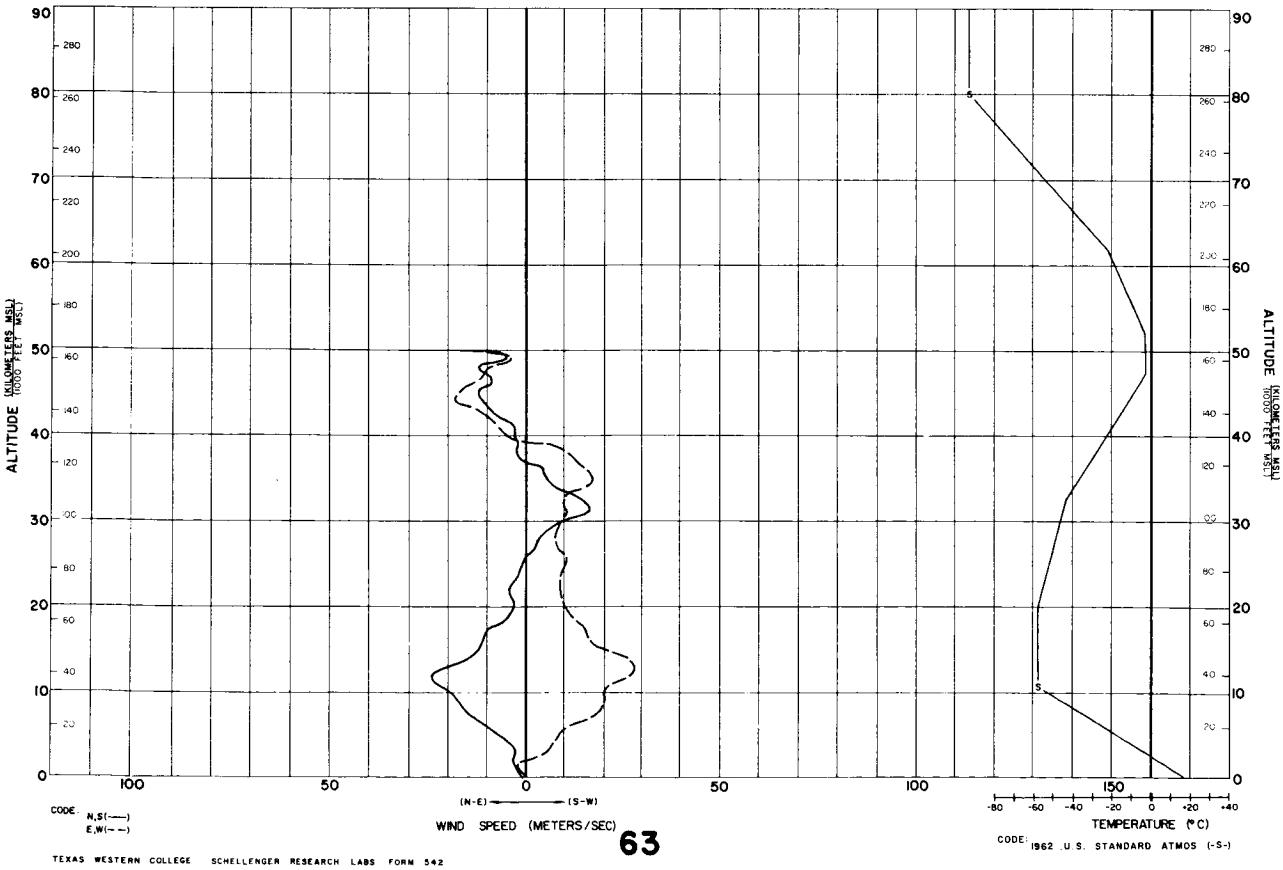


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 09	1541	-04	06	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
029	5000	-012	-017										0010.5	3062				-43.5
024	4900	-005	-004										0016.0	2779	+003	+008		-51.6
025	4800	-012	-009										0019.0	2668	+002	+009		-48.6
024	4700	-009	-011										0020.0	2614	+001	+010		-49.2
021	4600	-009	-014										0030.0	2369	-002	+009		-54.2
020	4500	-012	-017										0039.0	2201	-004	+009		-57.7
022	4400	-011	-018										0070.0	1834	-006	+013		-62.3
020	4300	-009	-013										0080.0	1752	-009	+015		-63.3
017	4200	-006	-009										1038.0	0000	-001	+000	92	-05.6
017	4100	-003	-007										0050.0	2045	-003	+010		-59.7
017	4000	-003	-005										0100.0	1613	-011	+016		-61.4
016	3900	-002	+004										0150.0	1360	-016	+027		-62.2
015	3800	-002	+011										0200.0	1183	-024	+027		-69.2
015	3700	-001	+013										0250.0	1047	-021	+021		-59.2
014	3600	+004	+015										0300.0	0930	-018	+020		-49.2
013	3500	+005	+017										0400.0	0734	-015	+018	54	-33.3
014	3400	+007	+016										0500.0	0573	-009	+011	48	-20.8
013	3300	+012	+011										0700.0	0314	-003	+006	57	-03.8
013	3200	+015	+010										0850.0	0160	-003	-002	34	-00.6
013	3100	+016	+011										1000.0	0030			60	-00.7
012	3000	+009	+009															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR. NEW MEXICO	66 02 09	1801	-03	01	02	12								3

ROCKET WINDS / THERMODYNAMICS

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
168	6514	-023	+024	6497	-19.4	00.128	00.175	319
168	6500	-018	+024	6446	-15.9	00.136	00.184	322
163	6400	-006	+006	6208	-07.4	00.185	00.242	327
157	6300	+002	+007	5901	+02.3	00.271	00.342	333
151	6200	-010	+016	5555	+02.8	00.412	00.520	333
142	6100	+002	+002	5454	-03.2	00.467	00.602	329
136	6000	-001	-004	5340	-00.2	00.538	00.686	331
129	5900	+000	-002	5104	-07.1	00.722	00.944	327
120	5800	-002	-002	4918	-06.9	00.913	01.194	327
115	5700	-002	-006	4775	-11.9	01.095	01.460	324
106	5600	+008	-004	4604	-12.8	01.366	01.827	323
101	5500	+004	+002	4522	-08.8	01.518	01.999	326
095	5400	+002	+010	4428	-07.4	01.710	02.241	327
088	5300	+006	+004	4301	-07.2	02.009	02.631	327
084	5200	+003	+002	4256	-09.8	02.127	02.814	325
077	5100	+008	+005	4209	-10.0	02.259	02.991	325
070	5000	+020	-008	4078	-06.7	02.670	03.490	327
068	4900	+005	+004	3927	-16.1	03.243	04.395	321
064	4800	+010	-011	3858	-17.5	03.552	04.839	321
060	4700	+016	-013	3820	-16.9	03.734	05.076	321
056	4600	-003	-009	3804	-19.8	03.814	05.244	319
053	4500	-008	-015	3735	-17.9	04.180	05.705	320
048	4400	-008	-015	3683	-22.7	04.481	06.232	317
045	4300	+000	-016	3638	-23.0	04.761	06.630	317
042	4200	-006	-026	3591	-22.2	05.073	07.041	318
039	4100	-012	-019	3546	-25.2	05.391	07.574	316
037	4000	+001	-016	3505	-23.5	05.700	07.954	317
034	3900	+007	-018	3438	-31.0	06.250	08.991	312
030	3800	-003	-006	3349	-36.6	07.087	10.437	308
029	3700	-001	+006	3270	-39.9	07.940	11.859	306
028	3600	-006	+020	3157	-39.2	09.352	13.926	307
025	3500	+000	+023	2952	-42.6	12.607	19.049	304
024	3400	+007	+019	2926	-47.7	13.104	20.247	301
021	3300	+003	+017	2761	-53.7	16.845	26.739	297
020	3200	+003	+021	2716	-51.2	18.049	28.329	299
018	3100	+006	+018	2420	-49.2	28.305	44.029	300
017	3000	+009	+013	2292	-55.2	34.449	55.062	296
013	2800	+002	+006	2249	-53.2	36.822	58.320	297
012	2719	-008	+008	2060	-56.0	49.380	79.218	295
				1960	-48.6			

COMPOSITION

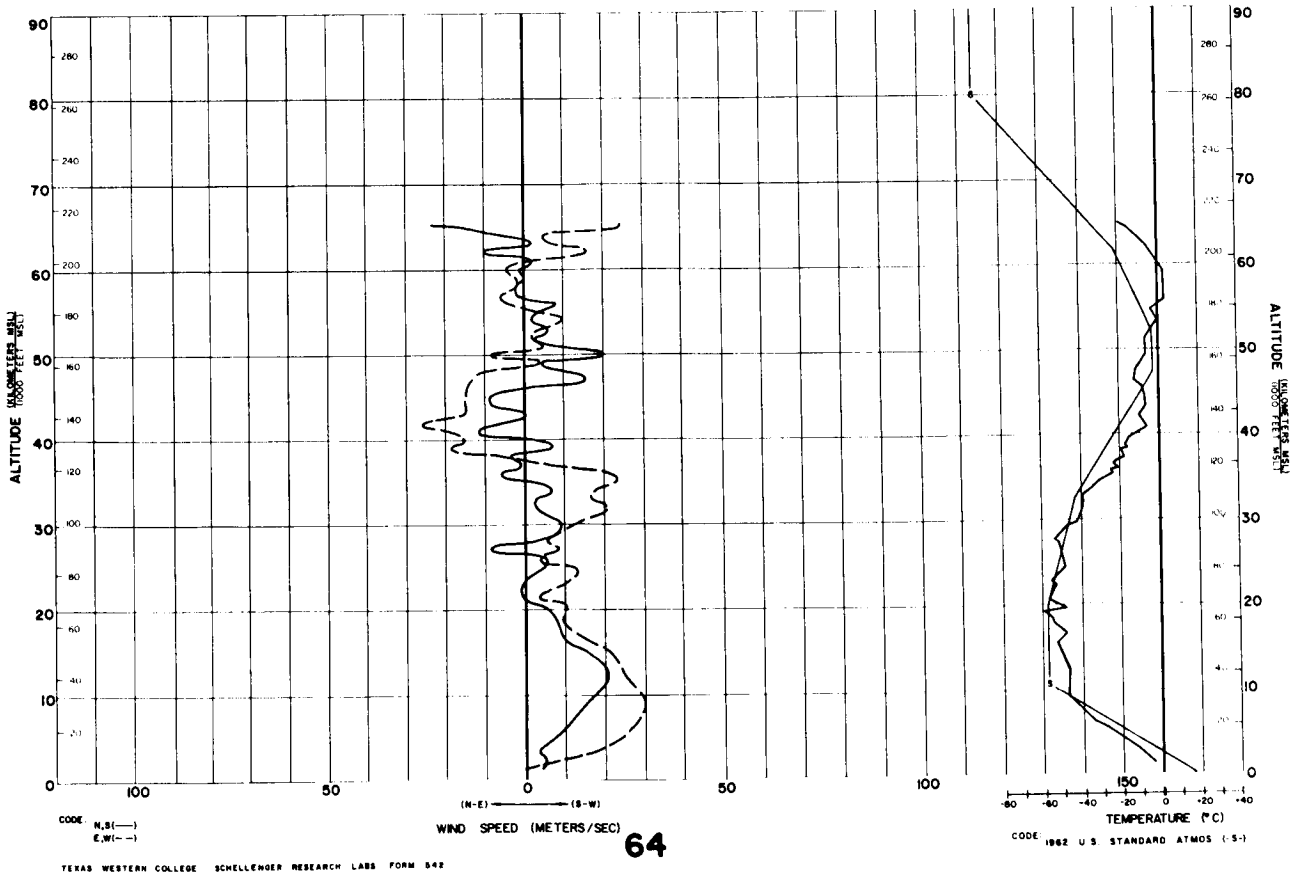
A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0013.8	2896	+001	+013		-49.1
0017.4	2743	-004	+013		-51.5
0021.9	2591	+006	+004		-50.0
0027.6	2438	+003	+013		-54.9
0044.5	2134	-001	+004		-55.5
0071.6	1829	+008	+010		-55.3
0114.8	1524	+013	+020		-52.6
0182.8	1219	+021	+025		-47.9
0289.3	0914	+016	+029		-47.4
0455.4	0610	+011	+027	33	-34.3
0691.1	0305	+003	+015	100	-12.4
0872.3	0122	+004	+000	61	-04.6
0050.0	2052	+004	+010		-54.2
0100.0	1609	+010	+016		-54.5
0500.0	0544	+009	+026	34	-29.1
0700.0	0295	+004	+015	100	-11.8

THERMODYNAMICS (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
				1932	-58.8			
				1868	-54.7			
				1838	-56.7			
				1795	-55.0			
				1646	-48.2			



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
15901	FORT CHURCHILL, CANADA	66 02 09	2112	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
049	4476	+003	-013
044	4195	-010	-011
040	3943	-017	-006
029	3737	-028	-002
025	3576	-024	+004
023	3431	-031	+006
019	3305	-035	+007
022	3184	-038	+003
017	3070	-044	+005
016	2973	-048	+003
017	2876	-043	+008
014	2782	-038	+002
013	2700	-044	+007
010	2631	-027	+014
010	2541	-029	+013
009	2441	-023	+016
010	2357	-019	+013

THERMODYNAMICS

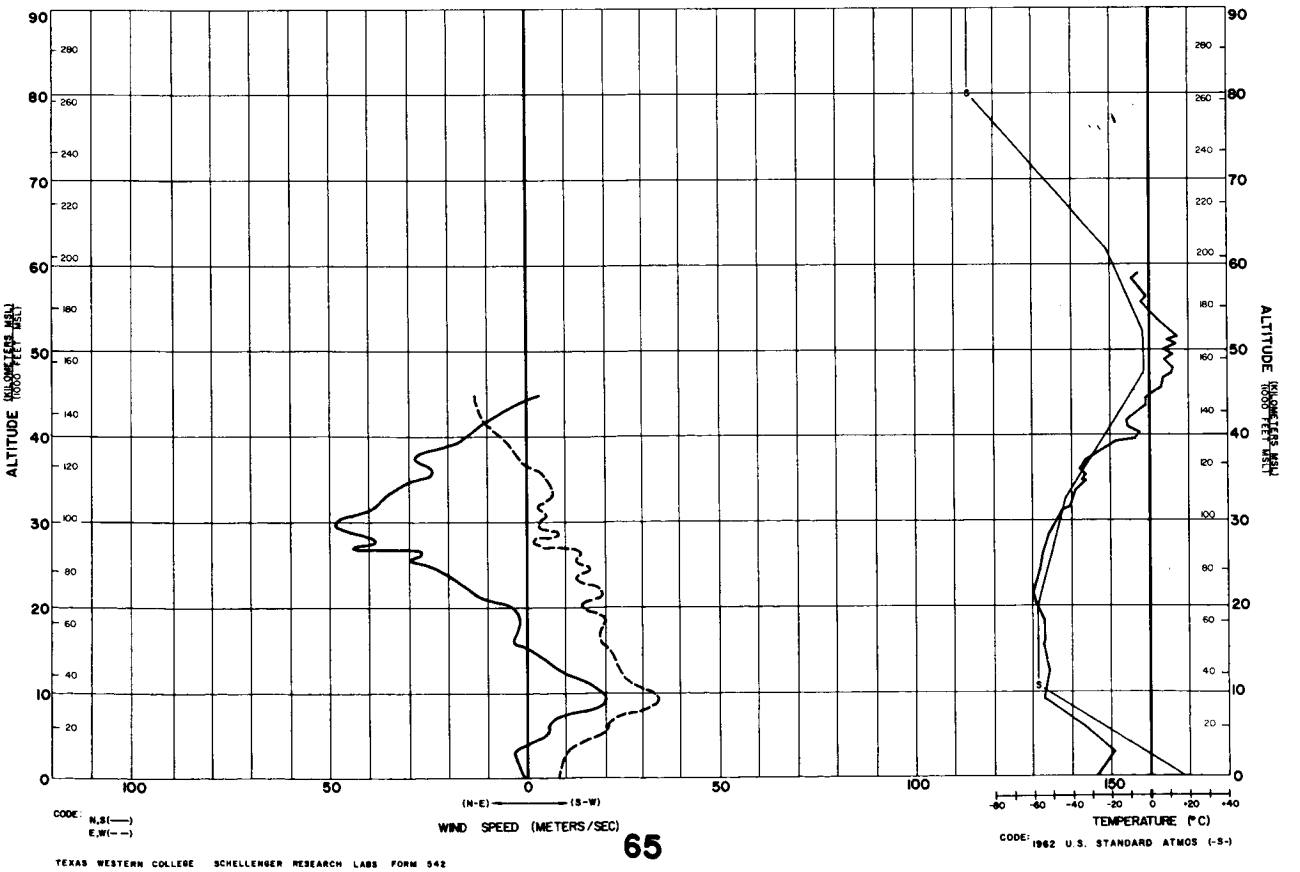
A MSL	TDC	PMB	D	SOS
5880	-06.8	00.265	00.346	327
5823	-09.2	00.285	00.376	326
5608	-00.8	00.373	00.477	331
5540	-03.5	00.406	00.524	329
5345	+04.7	00.515	00.646	334
5150	+14.0	00.650	00.788	340
5102	+09.6	00.688	00.847	337
5061	+13.2	00.722	00.878	339
5008	+08.5	00.769	00.950	336
4928	+12.6	00.845	01.030	339
4887	+08.8	00.887	01.096	337
4788	+12.1	00.998	01.218	339
4714	+11.4	01.089	01.333	338
4670	+07.6	01.148	01.424	336
4538	+07.4	01.345	01.669	336
4490	+00.8	01.425	01.812	332
4425	-01.5	01.545	01.980	330
4327	-01.5	01.744	02.236	330
4180	-11.2	02.100	02.793	324
4090	-10.8	02.358	03.131	325
4003	-05.1	02.634	03.423	328
3940	-08.4	02.853	03.753	326
3905	-17.6	02.985	04.069	320
3696	-33.3	03.969	05.764	310
3590	-35.8	04.611	06.768	309
3500	-32.9	05.238	07.594	311
3475	-34.5	05.426	07.920	310
3450	-33.4	05.621	08.167	310
3372	-37.7	06.280	09.292	308
3142	-40.6	08.757	13.118	306
3110	-45.4	09.179	14.040	303
2842	-52.3	13.754	21.694	298
2600	-55.0	19.980	31.906	296
2400	-55.1			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0009.9	3048	-038	+005		-46.4
0012.5	2896	-034	+007		-50.9
0015.7	2743	-033	+010		-54.1
0020.1	2591	-027	+014		-57.3
0025.7	2438	-023	+013		-59.1
0041.5	2134	-013	+019		-59.8
0067.6	1829	-002	+020		-53.9
0108.5	1524	-002	+020		-54.4
0173.2	1219	+010	+024	26	-51.8
0278.8	0914	+020	+034	32	-54.5
0441.3	0610	+006	+021	37	-36.8
0675.5	0305	-003	+011	20	-19.8
1011.3	0001	-001	+008	57	-27.8
0010.0	3042	-038	+005		-46.4
0050.0	2017	-005	+014		-58.8
0100.0	1558	-003	+019		-54.0
0500.0	0573	+006	+021	42	-32.7
0700.0	0279	-003	+010	20	-17.9



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
22509	PMR, BARKING SANDS, HAWAII	66 02 10	0014	-06	01	02	01								2

ROCKET WINDS

FV	A MSL	COMP	WNDS
095	5160	+011	+047
073	4910	+007	+044
054	4540	+017	+029
041	4270	+030	+017
035	4050	+014	+014
031	3860	+009	+016
028	3680	+007	+013
024	3530	+006	+011
018	3390	-005	+011
018	3310	-008	+013
020	3170	-006	+016
015	3070	-005	+012
015	2980	-005	+012
014	2890	+000	+012
010	2820	+007	+006
011	2770	+006	+002
011	2690	+004	+000
008	2580	+005	-001
008	2500	+005	+001
008	2400	+006	-002
007	2320	+003	-003
006	2250	+003	-002
006	2180	+004	-003
006	2110	+001	-006
005	2050	-003	-005
005	1990	+001	-005
005	1930	+005	-001
004	1880	+000	+005

THERMODYNAMICS

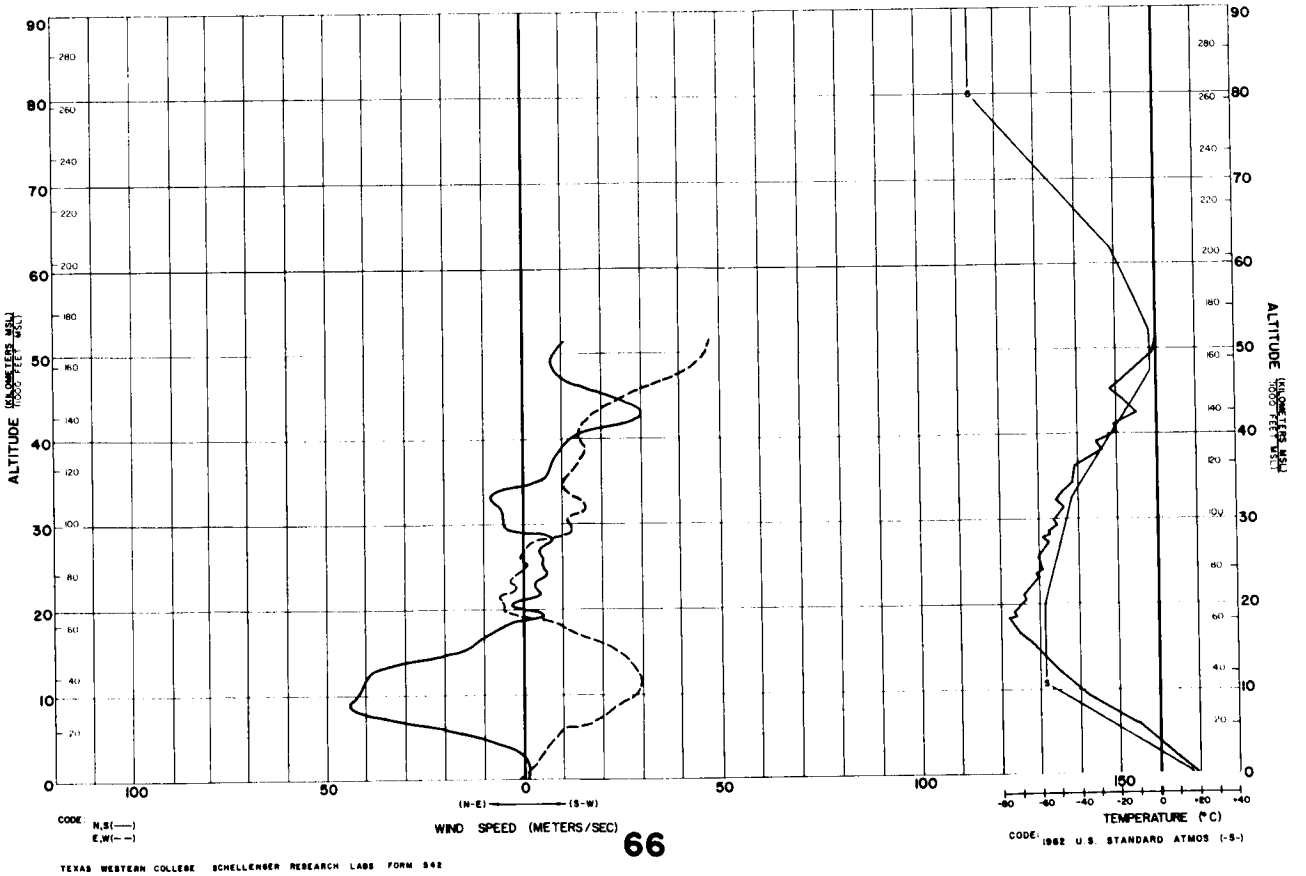
A MSL	TDC	PMB	D	SOS
5150	+00.3	00.598	00.761	331
4950	-02.0	00.765	00.982	330
4480	-22.5	01.403	01.950	317
4390	-17.3	01.581	02.153	321
4240	-10.3	01.922	02.547	325
4110	-20.7	02.278	03.143	319
4010	-20.4	02.604	03.588	319
3880	-30.9	03.109	04.470	312
3780	-27.7	03.570	05.067	314
3710	-34.6	03.937	05.748	310
3600	-41.7	04.611	06.940	305
3410	-42.9	06.089	09.213	304
3300	-48.4	07.171	11.115	301
3200	-50.7	08.341	13.063	299
3120	-48.2	09.414	14.579	301
2990	-53.0	11.472	18.152	297
2920	-51.3	12.770	20.052	299
2850	-55.8	14.225	22.800	296
2800	-55.0	15.376	24.553	296
2770	-58.0	16.114	26.090	294
2730	-54.7	17.153	27.353	296
2530	-60.5	23.489	38.480	292
2410	-58.5	28.416	46.117	294
2340	-61.7	31.765	52.332	292
2300	-60.3	33.862	55.421	292
2080	-69.2	48.448	82.752	286
2040	-67.3			
1900	-73.5			
1850	-72.8			
1820	-76.3			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0022.0	2591				-56.3
0026.0	2438	+007	-003		-56.4
0045.0	2134	+000	-003		-61.1
0074.0	1829	+004	-005		-75.6
0124.0	1524	-014	+022		-65.4
0203.0	1219	-039	+029		-51.4
0316.0	0914	-044	+025	10	-35.3
0480.0	0610	-023	+013	14	-13.5
0705.0	0305	-001	+005	41	+03.1
1014.1	0000	+001	-001	79	+19.5
0050.0	2061	+001	-002		-65.3
0100.0	1653	-011	+016		-71.4
0300.0	0952	-043	+027	10	-37.0
0500.0	0579	-020	+010	13	-10.7
0700.0	0311	-001	+005	42	+02.7



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 10	0120	+02	01	02	12			05			4000	2500	1

ROCKET WINDS

FV	A MSL	COMP	WNDS
032	3962	+013	-010
031	3810	-010	-021
027	3658	-011	-021
026	3505	-017	-010
019	3353	+003	+001
019	3200	+008	-009
017	3048	-004	-012
014	2896	-002	-011
013	2743	+000	-009
011	2591	-005	-007
009	2438	-004	-005
007	2286	-003	-007

THERMODYNAMICS

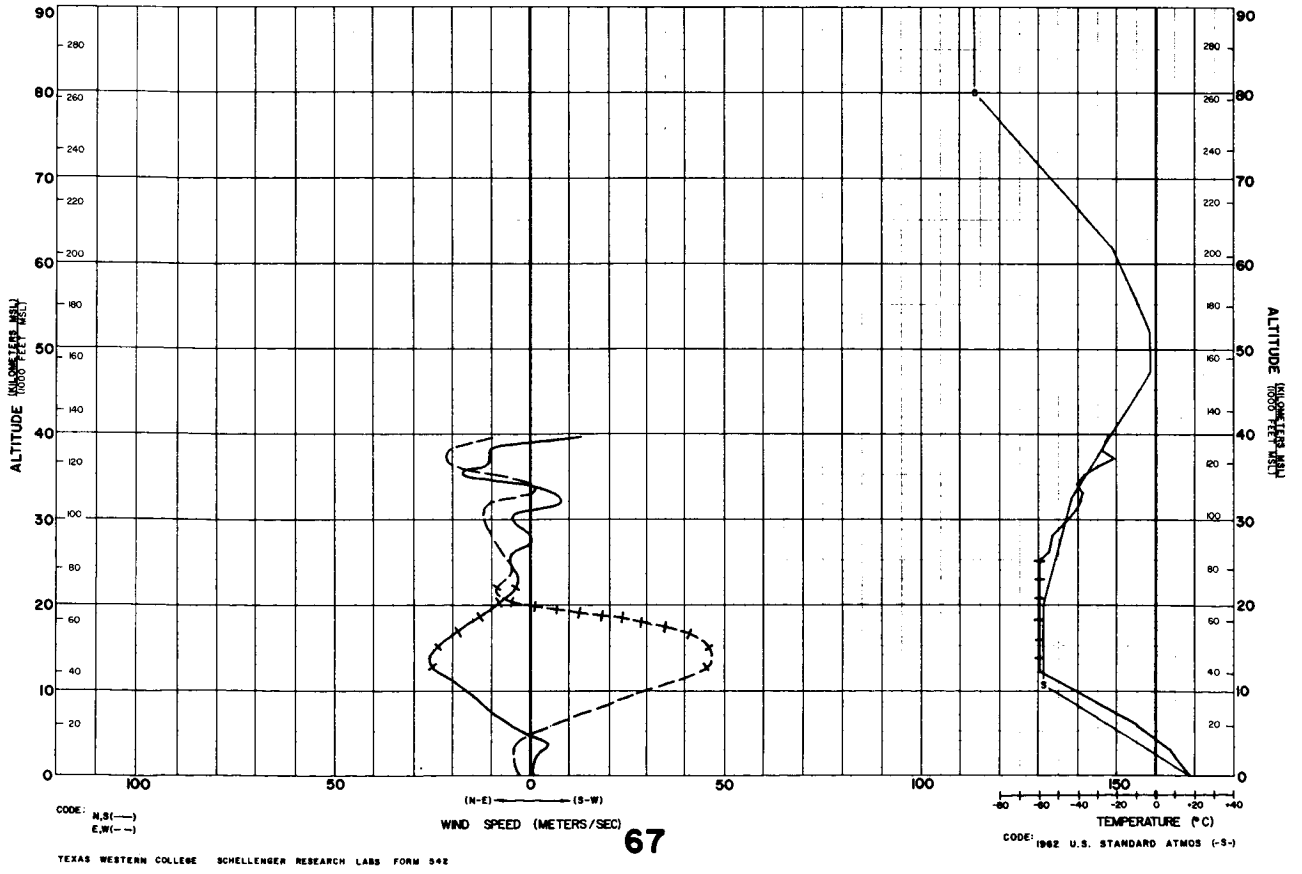
A MSL	TDC	PMB	D	SOS
4000	-23.9			317
3900	-24.8			316
3800	-27.0			315
3700	-21.3			319
3600	-30.0			313
3500	-36.3			309
3400	-41.2			306
3300	-37.4			308
3200	-38.6			307
3100	-41.1			306
3000	-45.0			303
2800	-53.0			298
2600	-55.0			296
2500	-59.1			294

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0123.7	1525				-65.7
0201.0	1225	-024	+044	43	-58.9
0315.6	0925	-014	+025	66	-34.7
0491.4	0600	-006	+007	39	-11.1
0716.2	0300	+003	-004	32	+07.2
1025.7	0000	+001	-003	74	+18.0
0500.0	0585	-005	+005	39	-10.1
0700.0	0318	+004	-004	32	+05.7



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

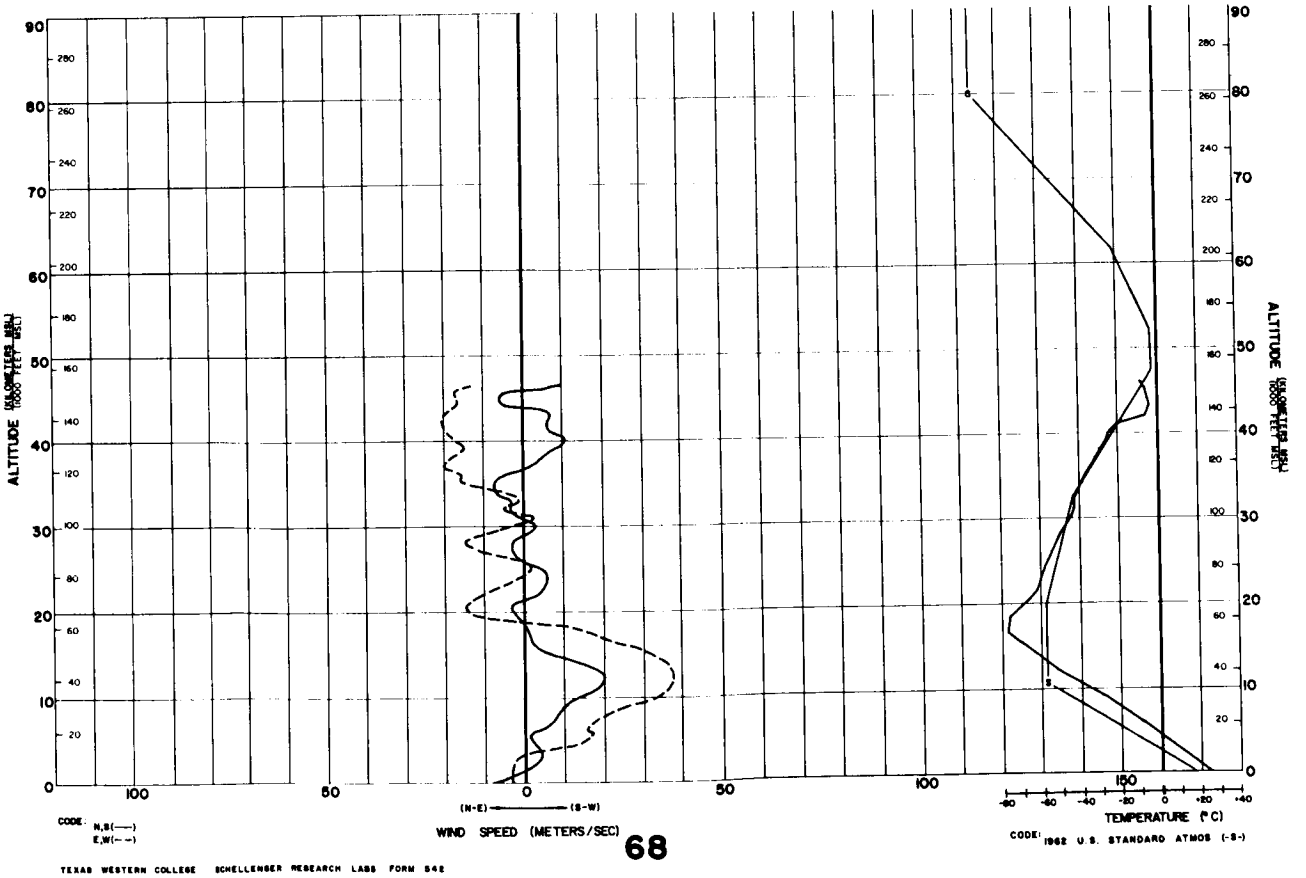
RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OO	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 10	0207	-06	01	02	12								1

ROCKET WINDS / THERMODYNAMICS / COMPOSITION

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR
	4650	+010	-013	4600	-08.6	01.308	01.718	326				
058	4600	+002	-017	4500	-06.4	01.484	01.941	328				
053	4500	-006	-017	4400	-04.9	01.682	02.185	329				
051	4400	-004	-017	4300	-03.9	01.907	02.471	329				
049	4300	+007	-020	4200	-06.4	02.163	02.851	328				
046	4200	+006	-020	4100	-20.6	02.464	03.400	319				
041	4100	+007	-019	4000	-24.8	02.820	03.957	316				
037	4000	+011	-017	3900	-26.3	03.232	04.567	315				
034	3900	+008	-015	3800	-30.0	03.708	05.325	313				
032	3800	+005	-018	3700	-32.2	04.263	06.163	312				
029	3700	+002	-020	3600	-34.3	04.906	07.167	310				
027	3600	-004	-016	3500	-37.0	05.656	08.344	308				
026	3500	-007	-016	3400	-37.9	06.525	09.674	308				
024	3400	-007	-006	3300	-40.7	07.538	11.295	306				
022	3300	-003	-001	3200	-43.4	08.724	13.229	304				
020	3200	-003	-005	3100	-42.7	10.103	15.263	305				
017	3100	-001	+003	3000	-43.8	11.699	17.786	304				
016	3000	+003	-003	2800	-50.6	15.779	24.712	299				
014	2800	-003	-015	2600	-54.5	21.459	34.184	297				
011	2600	-001	-002	2450	-57.4	27.076	43.710	295				
010	2475	+005	+002									

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0027.6	2438	+002	-009		-54.7
0044.8	2134	+000	-013		-62.3
0074.4	1829	+001	+011		-75.7
0125.8	1524	+005	+030		-70.7
0205.3	1219	+020	+038	24	-52.2
0320.7	0914	+011	+028	21	-29.3
0484.4	0610	+004	+016	22	-11.0
0710.1	0305	+004	-002	83	+06.5
1017.3	0000	-008	-003	76	+25.0
0050.0	2054	-003	-015		-65.9
0100.0	1651	+002	+022		-77.2
0500.0	0583	+002	+017	21	-09.3
0700.0	0316	+004	-001	74	+05.6



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 546

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 10	0446	+01	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
050	4500	-005	-010
053	4400	-007	-010
048	4300	-010	-013
043	4200	-007	-013
042	4100	-007	-015
038	4000	-004	-015
035	3900	-005	-012
032	3800	+003	-008
032	3700	+007	-004
029	3600	+006	-005
025	3500	+013	-013
025	3400	+016	-019
023	3300	+012	-015
020	3200	+011	-010
019	3100	+011	-007
018	3000	+009	-006
015	2900	+008	-008
015	2800	+005	-008
013	2700	+000	-008
011	2600	-003	-007
010	2500	-005	-003
009	2400	-003	+003
008	2300	-001	+008
008	2200	+002	+009
007	2100	-002	+003
006	2000	-006	+004
007	1900	-008	+009

THERMODYNAMICS

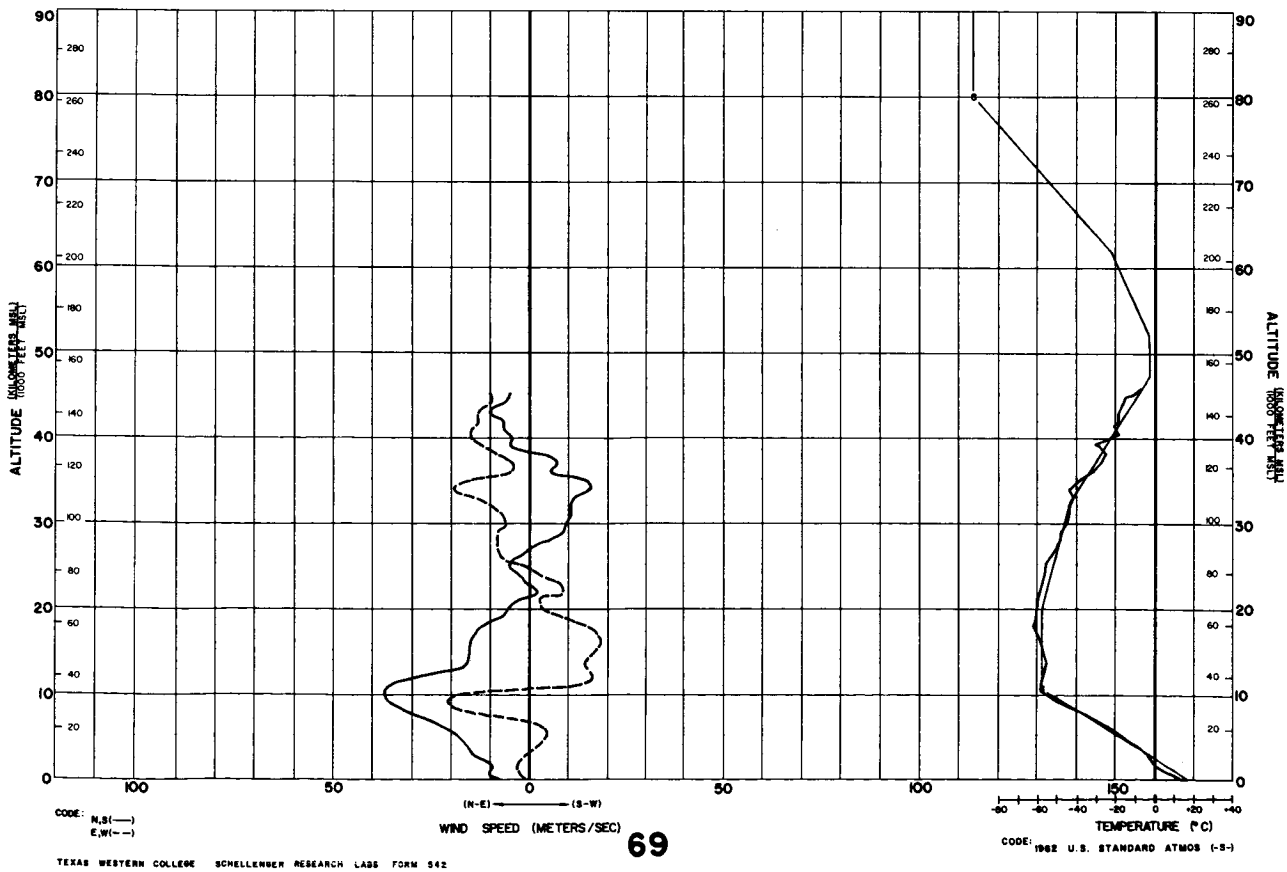
A MSL	TDC	PMB	D	SOS
4572	-07.5	01.333	01.747	327
4500	-11.4	01.459	01.941	324
4478	-14.1	01.503	02.020	322
4400	-15.6	01.662	02.247	322
4300	-18.7	01.895	02.594	320
4200	-18.5	02.162	02.957	320
4145	-21.2	02.330	03.221	318
4100	-19.9	02.470	03.397	319
4048	-18.2	02.652	03.623	320
4000	-22.9	02.822	03.927	317
3926	-30.2	03.130	04.487	312
3900	-29.4	03.237	04.625	313
3800	-25.7	03.714	05.227	315
3700	-28.0	04.252	06.041	314
3600	-32.3	04.889	07.070	311
3500	-37.9	05.636	08.344	307
3400	-43.6	06.523	09.897	305
3300	-41.9	07.554	11.377	305
3200	-43.8	08.748	13.285	303
3100	-43.6	10.139	15.384	303
3000	-43.9	11.748	17.848	303
2900	-47.6	13.634	21.054	301
2800	-48.1	15.848	24.527	300
2700	-50.3	18.437	28.815	299
2600	-53.4	21.476	34.039	297
2500	-55.7	25.086	40.181	296
2400	-55.9	29.320	47.006	295
2300	-56.7	34.276	55.158	295
2200	-58.4	40.112	65.056	294
2100	-59.1	46.980	76.445	293
2088	-59.2	47.730	77.701	293

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0014.0	2884				-47.3
0020.0	2648	+005	-009		-51.3
0028.0	2429	+001	+004		-56.0
0030.0	2385	-004	+006		-56.4
0070.0	1850	-010	+012		-61.2
0077.0	1791	-012	+015		-61.9
1030.0	0004	-008	-001	54	+14.5
0050.0	2061	-003	+005		-59.2
0100.0	1627	-015	+018		-58.3
0150.0	1368	-016	+014		-55.7
0200.0	1184	-030	+016		-57.6
0250.0	1044	-037	-004		-57.1
0300.0	0926	-036	-021		-50.7
0400.0	0732	-028	-010	34	-34.6
0500.0	0571	-020	+004	36	-21.0
0700.0	0313	-015	+000	35	-05.2
0850.0	0159	-009	-003	86	+00.4
1000.0	0025	-010	-002	60	+12.4

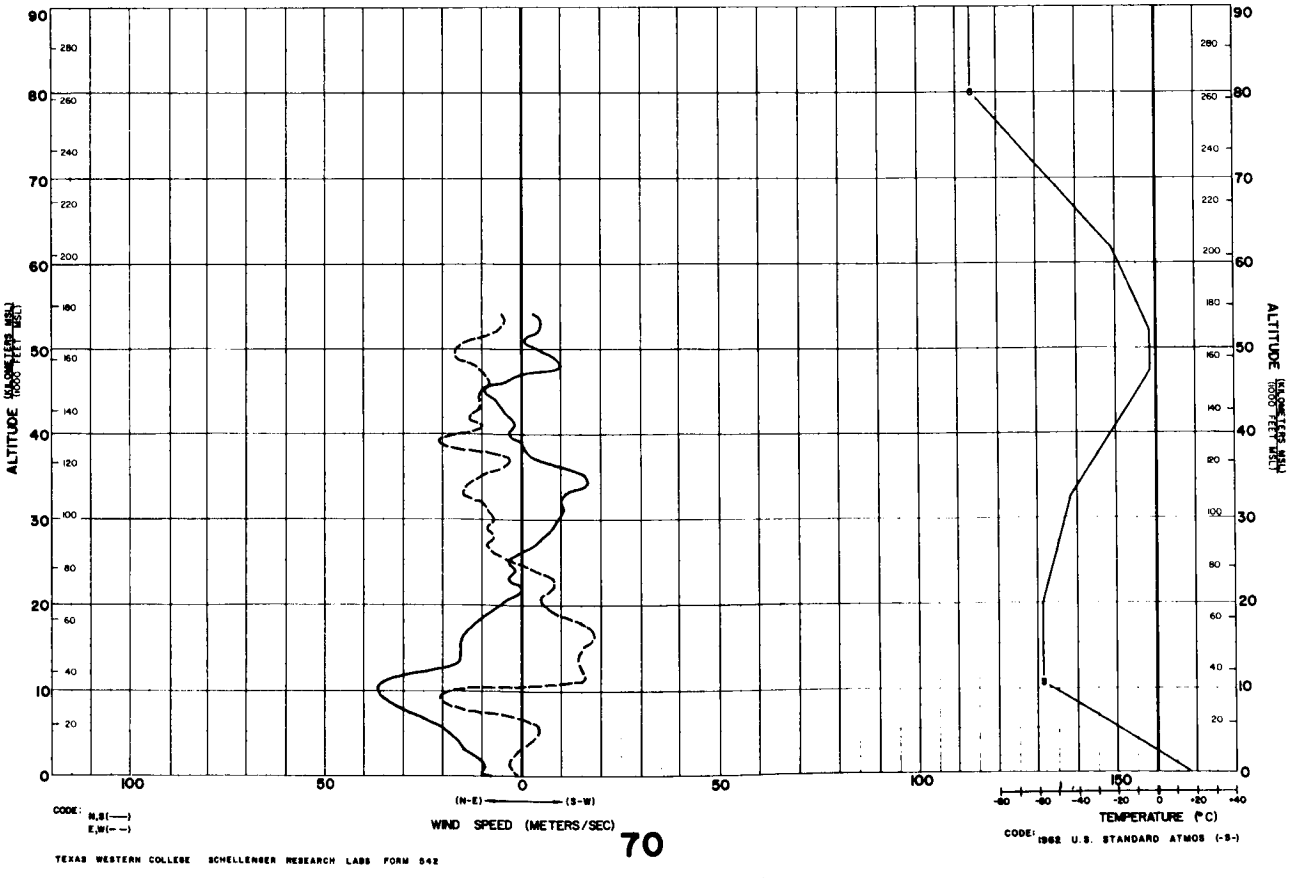


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66	02	10	0606	+00	01	04	00								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
100	5400	+003	-005										0014.0	2884				-47.3
091	5300	+005	-004										0020.0	2648	+005	-009		-51.3
083	5200	+004	-007										0028.0	2429	+001	+004		-56.0
080	5100	+001	-013										0030.0	2385	-004	+006		-56.4
080	5000	+004	-017										0070.0	1850	-010	+012		-61.2
074	4900	+008	-017										0077.0	1791	-012	+015		-61.9
063	4800	+010	-012										1030.0	0004	-008	-001	54	+14.5
059	4700	+000	-009										0050.0	2061	-003	+005		-59.2
061	4600	-005	-008										0100.0	1627	-015	+018		-58.3
056	4500	-009	-010										0150.0	1368	-016	+014		-55.7
049	4400	-007	-011										0200.0	1184	-030	+016		-57.6
041	4300	-005	-011										0250.0	1044	-037	-004		-57.1
033	4200	-003	-013										0300.0	0926	-036	-021		-50.7
029	4100	-002	-010										0400.0	0732	-028	-010	34	-34.6
026	4000	-003	-016										0500.0	0571	-020	+004	36	-21.0
028	3900	+000	-021										0700.0	0313	-015	+000	35	-05.2
027	3800	+001	-014										0850.0	0159	-009	-003	86	+00.4
024	3700	+004	-003										1000.0	0025	-010	-002	60	+12.4
022	3600	+011	-004															
018	3500	+016	-009															
017	3400	+017	-013															
017	3300	+012	-015															
015	3200	+010	-011															
014	3100	+011	-008															
013	3000	+009	-007															
013	2900	+008	-008															
013	2800	+006	-007															
012	2700	+003	-008															
011	2600	-001	-007															
010	2500	-003	-003															
010	2400	-002	+003															
009	2300	-003	+008															
007	2200	+000	+008															

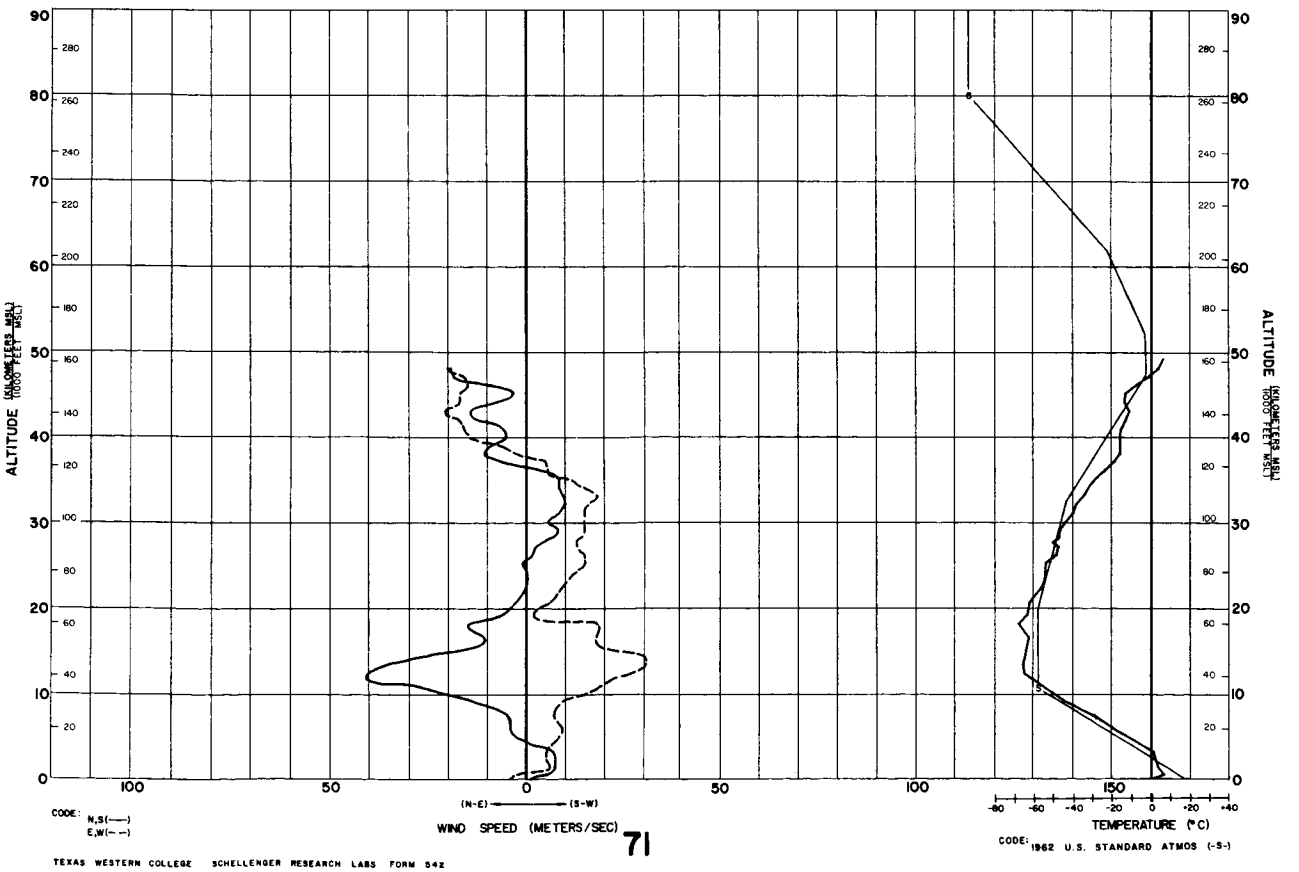


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 10	0654	-02	03	02	07			01			4900	2252	1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
060	4800	-019	-020	4900	+06.2	00.938	01.170	335					0015.5	2799				-50.2
065	4700	-018	-016	4800	+02.8	01.059	01.337	333					0020.0	2633	+001	+016		-53.4
059	4600	-008	-015	4700	-02.4	01.198	01.541	330					0030.0	2374	-003	+004		-58.3
057	4500	-003	-017	4600	-07.5	01.359	01.781	327					0032.0	2335	-003	+004		-59.2
056	4400	-008	-017	4500	-12.7	01.544	02.065	324					0060.0	1940	-006	+002		-62.8
054	4300	-014	-021	4400	-13.1	01.758	02.354	323					0070.0	1844	-013	+011		-66.0
050	4200	-012	-017	4300	-11.1	02.000	02.658	325					0075.0	1804	-015	+018		-67.5
050	4100	-006	-016	4200	-12.5	02.275	03.040	324					1034.3	0000	+001	-004	96	+01.1
048	4000	-005	-014	4100	-14.8	02.591	03.493	322					0050.0	2053	-003	+006		-61.7
044	3900	-008	-008	4000	-14.8	02.952	03.980	322					0100.0	1627	-011	+018		-62.1
040	3800	-011	-002	3900	-14.8	03.364	04.536	322					0150.0	1376	-032	+031		-65.8
036	3700	-006	+005	3800	-14.7	03.833	05.167	322					0200.0	1203	-041	+024		-65.4
034	3600	+003	+006	3700	-18.1	04.372	05.971	320					0250.0	1063	-025	+017		-54.4
030	3500	+008	+010	3600	-23.0	04.998	06.959	317					0300.0	0943	-016	+010		-45.3
028	3400	+008	+015	3500	-27.6	05.728	08.125	314					0400.0	0744	-005	+007	29	-28.8
027	3300	+009	+018	3400	-32.1	06.581	09.511	311					0500.0	0581	-004	+009	39	-17.4
024	3200	+010	+016	3300	-34.6	07.577	11.066	310					0700.0	0318	+007	+005	33	+01.3
023	3100	+008	+015	3200	-38.1	08.741	12.955	307					0850.0	0161	+007	+006	92	+03.1
022	3000	+006	+015	3100	-39.9	10.100	15.084	306					1000.0	0028	+004	-003	28	+06.1
020	2900	+008	+015	3000	-43.9	11.691	17.765	304										
018	2800	+005	+013	2900	-46.9	13.564	20.885	302										
017	2700	+002	+013	2800	-47.4	15.757	24.314	301										
015	2600	+001	+015	2749	-50.1	17.017	26.578	299										
014	2500	-001	+015	2700	-47.4	18.324	28.276	301										
013	2400	+000	+012	2600	-47.7	21.293	32.901	301										
014	2300	+000	+010	2500	-53.7	24.797	39.364	297										
				2400	-53.6	28.939	45.917	297										
				2300	-55.3													
				2252	-55.5													



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 10	0734	-02	01	02	12			00	4700	3600			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
067	4700	-001	-011
080	4600	-006	-011
067	4500	-005	-013
050	4400	-002	-016
061	4300	-005	-015
067	4200	-014	-020
048	4100	-005	-019
038	4000	-003	-017
038	3900	+003	-003
032	3800	+006	+003
032	3700	+011	-002
029	3600	+010	-002
024	3500	+016	-008
022	3400	+016	-014
024	3300	+013	-018
022	3200	+013	-015
019	3100	+009	-008
017	3000	+008	-006
014	2900	+003	-006
013	2800	+005	-005
013	2700	+003	-006
012	2600	-003	-003
010	2500	-002	-003
010	2400	-005	+001
008	2300	-005	+006
007	2200	-001	+009
007	2100	+001	+009
006	2000	-002	+006
006	1900	-008	+005

THERMODYNAMICS

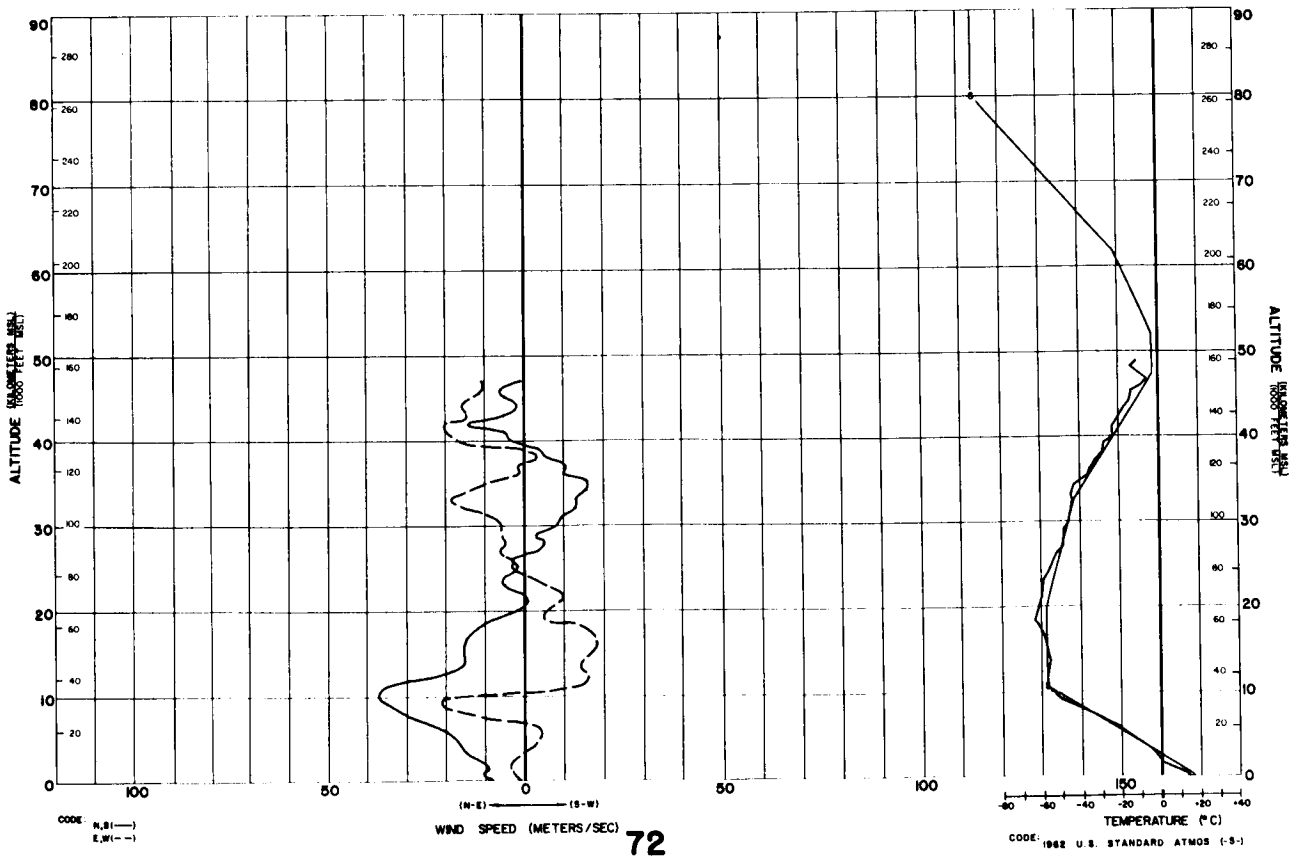
A MSL	TDC	PMB	D	SOS
4871	-10.9	00.888	01.179	324
4800	-13.7	00.971	01.303	323
4700	-08.6	01.104	01.453	326
4663	-06.3	01.156	01.508	327
4600	-08.9	01.253	01.651	326
4500	-13.0	01.425	01.907	323
4400	-14.8	01.623	02.188	322
4300	-18.0	01.850	02.525	320
4200	-20.8	02.113	02.916	318
4100	-23.5	02.417	03.372	317
4000	-22.7	02.767	03.848	317
3900	-28.0	03.207	04.560	314
3800	-29.4	03.682	05.261	313
3700	-32.3	04.233	06.121	311
3600	-35.5	04.873	07.142	309
3500	-36.8	05.622	08.285	308
3400	-42.5	06.499	09.814	304
3300	-44.2	07.531	11.456	303
3200	-43.9	08.728	13.260	303
3100	-44.7	10.118	15.426	303
3000	-45.7	11.738	17.974	302
2900	-48.2	13.630	21.104	300
2800	-48.4	15.845	24.555	300
2700	-48.5	18.420	28.558	300
2600	-52.6	21.448	33.871	298
2500	-54.7	25.030	39.908	296
2400	-56.8	29.254	46.934	295
2300	-58.2	34.239	55.479	294
2200	-58.8	40.093	65.147	293
2100	-59.6	46.980	76.624	293
2091	-59.7	47.500	77.508	293
1814	-63.2			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0014.0	2884				-47.3
0020.0	2648	+005	-009		-51.3
0028.0	2429	+001	+004		-56.0
0030.0	2385	-004	+006		-56.4
0070.0	1850	-010	+012		-61.2
0077.0	1791	-012	+015		-61.9
1030.0	0004	-008	-001	54	+14.5
0050.0	2061	-003	+005		-59.2
0100.0	1627	-015	+018		-58.3
0150.0	1368	-016	+014		-55.7
0200.0	1184	-030	+016		-57.6
0250.0	1044	-037	-004		-57.1
0300.0	0926	-036	-021		-50.7
0400.0	0732	-028	-010	34	-34.6
0500.0	0571	-020	+004	36	-21.0
0700.0	0313	-015	+000	35	-05.2
0850.0	0159	-009	-003	86	+00.4
1000.0	0025	-010	-002	60	+12.4



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
15901	FORT CHURCHILL, CANADA	66 02 10	0809	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
092	4976	-010	-004
069	4632	-005	-010
055	4262	-015	-005
039	3981	-024	+000
035	3760	-014	+005
027	3575	-025	-009
026	3417	-033	-005
023	3271	-036	+001
020	3141	-039	+005
019	3024	-040	+007
017	2917	-035	+009
017	2816	-034	+008
014	2724	-035	+006
012	2646	-032	+005
012	2573	-032	+005
012	2499	-026	+007
011	2402	-022	+007
009	2312	-025	+009

THERMODYNAMICS

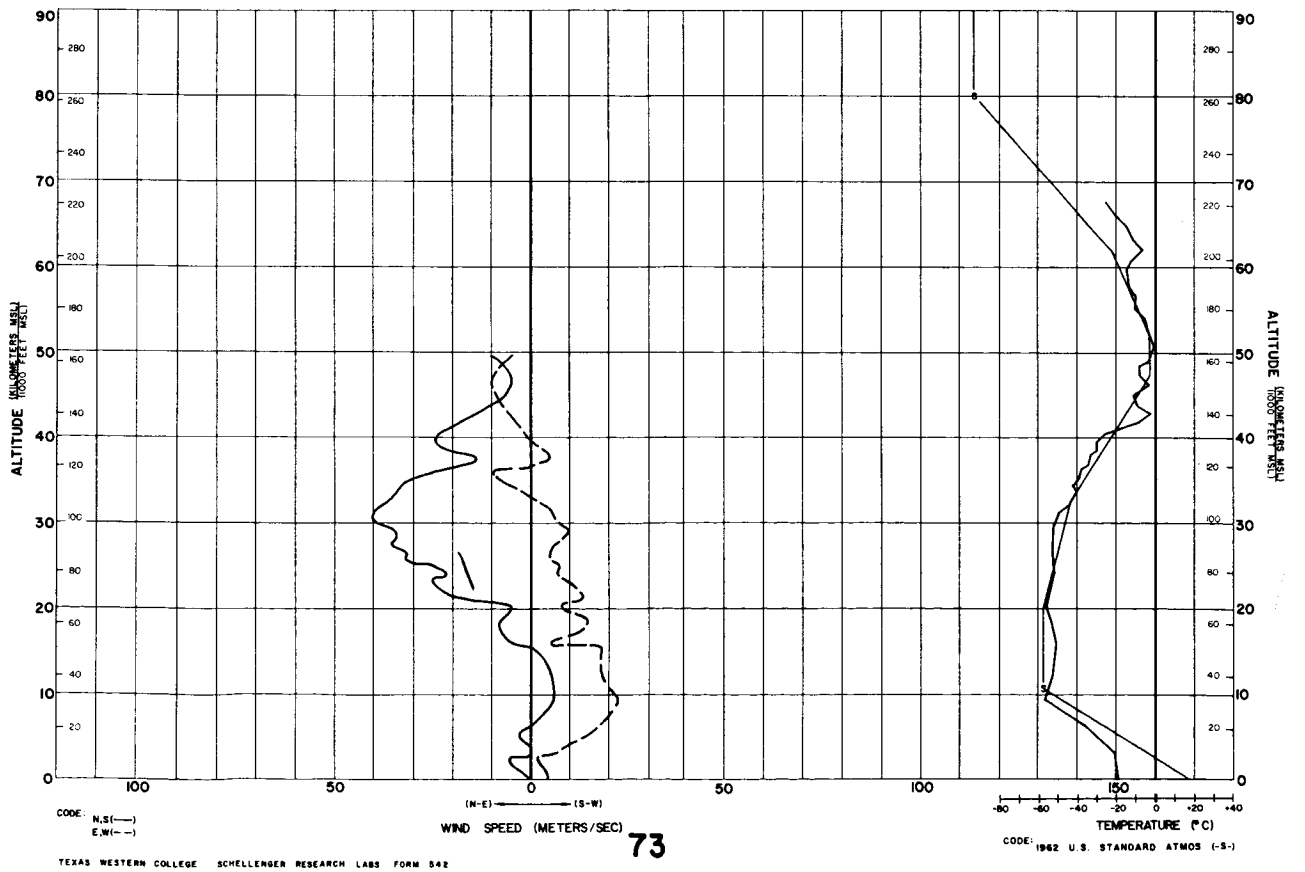
A MSL	TDC	PMB	D	SOS
6760	-26.7	00.076	00.107	315
6580	-19.8	00.097	00.132	319
6475	-14.6	00.111	00.149	322
6301	-11.0	00.139	00.184	325
6200	-08.4	00.157	00.207	326
6070	-11.5	00.186	00.247	324
5960	-14.3	00.214	00.288	323
5770	-13.3	00.274	00.367	323
5660	-10.4	00.315	00.418	325
5494	-09.1	00.390	00.514	326
5385	-06.9	00.447	00.585	327
5250	-03.8	00.530	00.685	329
5070	-01.5	00.663	00.849	330
4872	-04.4	00.848	01.099	329
4820	-08.2	00.905	01.190	326
4717	-08.5	01.032	01.358	326
4614	-03.0	01.175	01.515	329
4476	-11.0	01.399	01.859	325
4384	-09.5	01.574	02.080	326
4294	-02.7	01.764	02.271	330
4190	-09.3	02.011	02.655	326
4152	-08.9	02.111	02.783	326
4095	-18.2	02.273	03.106	320
4039	-25.2	02.451	03.443	316
3929	-30.3	02.851	04.089	312
3817	-30.1	03.331	04.773	313
3799	-33.2	03.416	04.958	311
3682	-34.6	04.029	05.883	310
3625	-37.6	04.370	06.462	308
3499	-39.4	05.239	07.807	306
3473	-41.5	05.440	08.181	305
3410	-42.2	05.965	08.997	305
3342	-40.8	06.587	09.876	306
3195	-44.7	08.173	12.464	303
3110	-49.0	09.281	14.424	300
2955	-52.2	11.748	18.522	298
2682	-53.2	17.868	28.300	297
2403	-52.0			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0012.8	2896	-036	+003		-52.7
0016.3	2743	-036	+005		-52.2
0020.5	2591	-033	+005		-54.0
0026.0	2438	-028	+008		-54.3
0041.8	2134	-019	+013		-55.7
0067.8	1829	-008	+014		-54.2
0108.5	1524	+000	+018		-51.1
0173.3	1219	+005	+018		-52.6
0278.0	0914	+006	+022	38	-57.2
0441.4	0610	+000	+017	32	-37.4
0677.7	0305	+000	+006	74	-20.5
1014.2	0001	-001	+004	62	-29.1
0050.0	2023	-005	+008		-55.8
0100.0	1576	-005	+005		-51.5
0500.0	0524	-003	+001	43	-34.4
0700.0	0282	-006	+002	69	-19.1



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 10	0843	-03	01	04	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
044	4300	-001	-009
044	4200	+001	-012
038	4100	+000	-014
036	4000	-001	-019
035	3900	-002	-020
031	3800	-005	-013
028	3700	-001	-004
027	3600	+006	+002
024	3500	+013	-003
022	3400	+018	-008
021	3300	+017	-012
019	3200	+013	-012
016	3100	+008	-009
014	3000	+006	-006
014	2900	+005	-003
013	2800	+004	-003
013	2700	+005	-005
012	2600	+002	-007
011	2500	-003	-004

THERMODYNAMICS

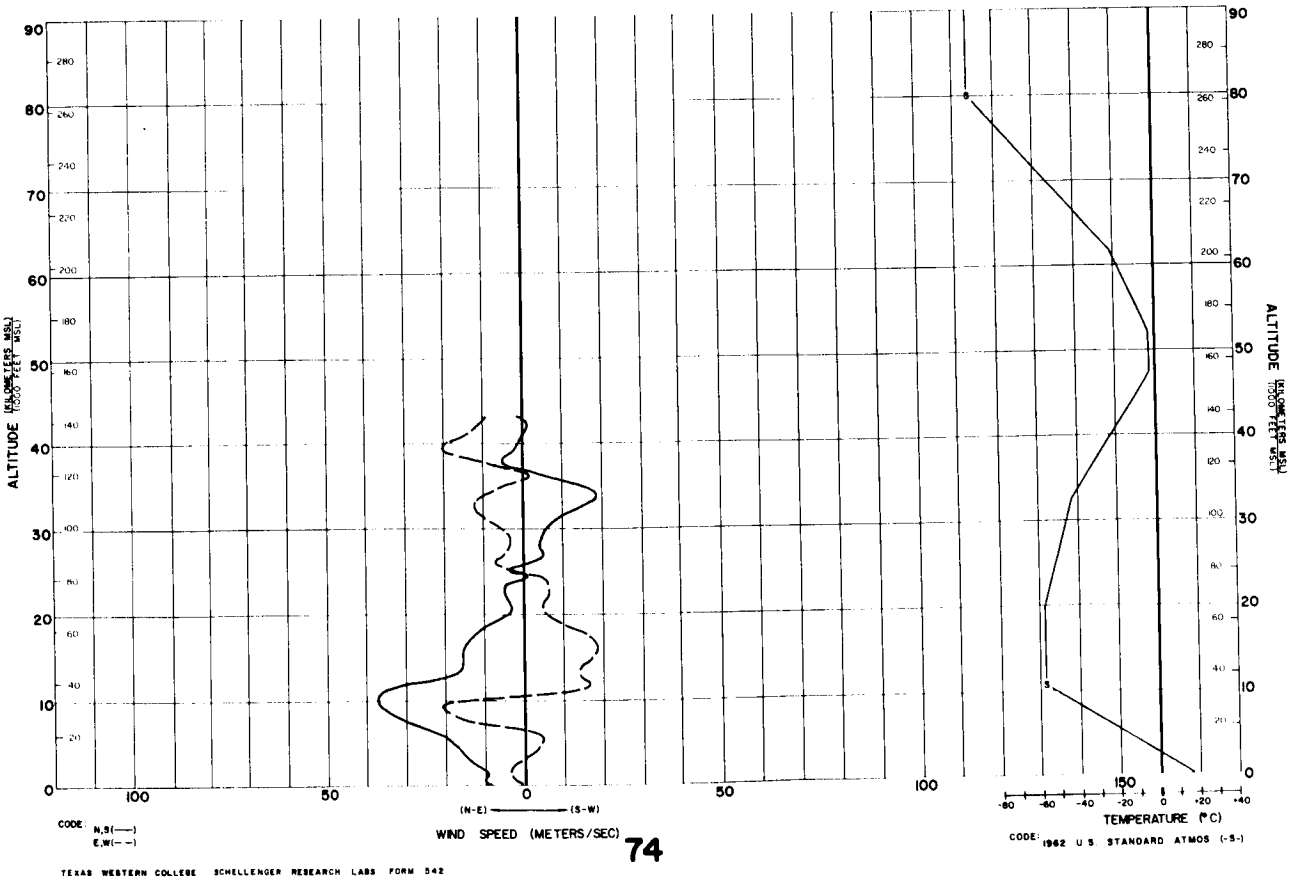
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0014.0	2884				-47.3
0020.0	2648	+005	-009		-51.3
0028.0	2429	+001	+004		-56.0
0030.0	2385	-004	+006		-56.4
0070.0	1850	-010	+012		-61.2
0077.0	1791	-012	+015		-61.9
1030.0	0004	-008	-001		+14.5
0080.0	2061	-003	+005		-59.2
0100.0	1627	-015	+018		-58.3
0150.0	1368	-016	+014		-55.7
0200.0	1184	-030	+016		-57.6
0250.0	1044	-037	-004		-57.1
0300.0	0926	-036	-021		-50.7
0400.0	0732	-028	-010	34	-34.6
0500.0	0571	-020	+004	36	-21.0
0700.0	0313	-015	+000	35	-05.2
0850.0	0159	-009	-003	86	+00.4
1000.0	0025	-010	-002	60	+12.4



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
93111	PMR. POINT MUGU. CALIF.	66 02 10	1017	-05	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
099	5365	+000	+012
081	5121	-001	+012
071	4908	+003	+007
059	4554	-006	-016
049	4262	+001	-020
042	4009	+007	-016
036	3792	+006	+002
030	3612	+002	+008
026	3454	+003	+014
023	3317	+004	+009
019	3201	+001	+003
019	3085	-001	+002
016	2987	-001	+004
015	2896	-001	+003
014	2814	-004	+004
013	2737	-006	+006
013	2661	-004	+007
012	2591	-001	+004
010	2472	+001	-002
009	2365	-001	-001
008	2268	-002	-001
007	2189	-005	-002
006	2112	-007	-001
007	2027	-005	+001
005	1966	-007	+002
006	1899	-010	+005
005	1835	-011	+007
002	1807	-011	+007

THERMODYNAMICS

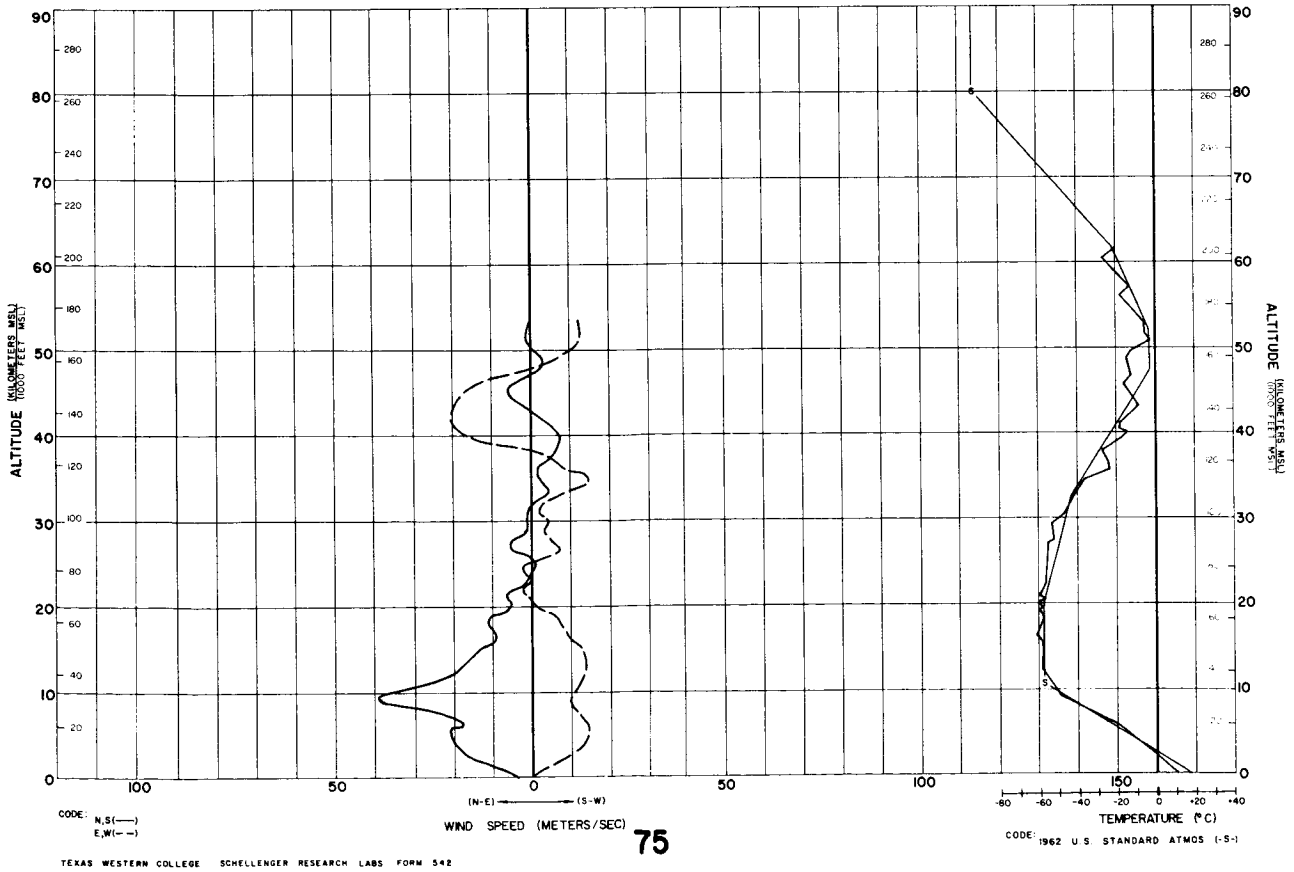
A MSL	TDC	PMB	D	SOS
6157	-20.5	00.160	00.222	318
6035	-26.5	00.180	00.268	314
5898	-21.0	00.220	00.316	318
5699	-13.5	00.290	00.399	323
5590	-17.5	00.340	00.469	320
5273	-05.1	00.510	00.676	328
5151	-05.2	00.600	00.789	328
5075	-03.0	00.660	00.862	329
4938	-12.9	00.790	01.067	323
4843	-15.1	00.900	01.219	322
4688	-13.0	01.100	01.483	323
4548	-16.8	01.330	01.811	321
4313	-08.9	01.810	02.389	326
4100	-17.5	02.390	03.266	320
4051	-18.1	02.550	03.494	320
3993	-14.7	02.760	03.724	322
3917	-17.5	03.050	04.165	320
3792	-26.1	03.620	05.106	315
3773	-27.0	03.710	05.256	314
3658	-25.1	04.350	06.120	315
3533	-24.2	05.170	07.238	316
3438	-36.0	05.900	08.676	308
3389	-37.8	06.330	09.380	307
3231	-42.8	07.990	12.089	304
3033	-47.2	10.740	16.573	301
2926	-54.4	12.650	20.163	296
2737	-53.2	16.980	26.905	297
2707	-55.3	17.810	28.486	296
2228	-55.6	37.700	60.393	295
2088	-58.6	47.050	76.419	293
2036	-56.4	51.070	82.107	295
2012	-59.0	53.090	86.376	293
1948	-57.3	58.760	94.861	294
1942	-59.0	59.330	96.543	293

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.7	3048	-008	+012		-48.2
0013.5	2896	+001	+012		-53.5
0017.1	2743	+000	+006		-54.1
0021.6	2591	-002	+008		-52.3
0027.3	2438	+002	+001		-55.4
0044.0	2134	-005	+002		-55.5
0071.0	1829	-002	+011		-57.2
0115.2	1524	-012	+012		-58.4
0186.0	1219	-020	+013	41	-57.7
0301.7	0914	-038	+010	45	-49.1
0467.9	0610	-018	+014	23	-23.2
0698.1	0305	-018	+011	26	-05.3
1017.0	0000	-004	+000	87	+09.9
0010.0	3079	-007	+010		-47.2
0050.0	2046	+000	+001		-56.6
0100.0	1609	-009	+010		-59.7
0300.0	0917	-039	+010	45	-49.4
0500.0	0560	-021	+014	13	-19.2
0700.0	0303	-018	+011	27	-05.2



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
00001	SHIP SIERRA; 26.6N 63.5W	66 02 10	1059	+01	01	02	16								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
066	5000	-019	-005
061	4900	-027	-023
060	4800	-024	-024
058	4700	-020	-021
055	4600	-016	-018
053	4500	-012	-014
048	4400	-007	-008
044	4300	-002	-003
040	4200	+001	+000
036	4100	+005	+003
038	4000	+006	+002
042	3900	+006	+001
045	3800	+007	+001
049	3700	+007	-001
049	3600	+011	+009
047	3500	+016	+021
033	3400	+012	+026
025	3300	+008	+022
022	3200	+004	+010
020	3100	+001	+004
015	3000	+003	+006
014	2800	-003	-004
012	2600	+005	+005
010	2550	+000	-001

THERMODYNAMICS

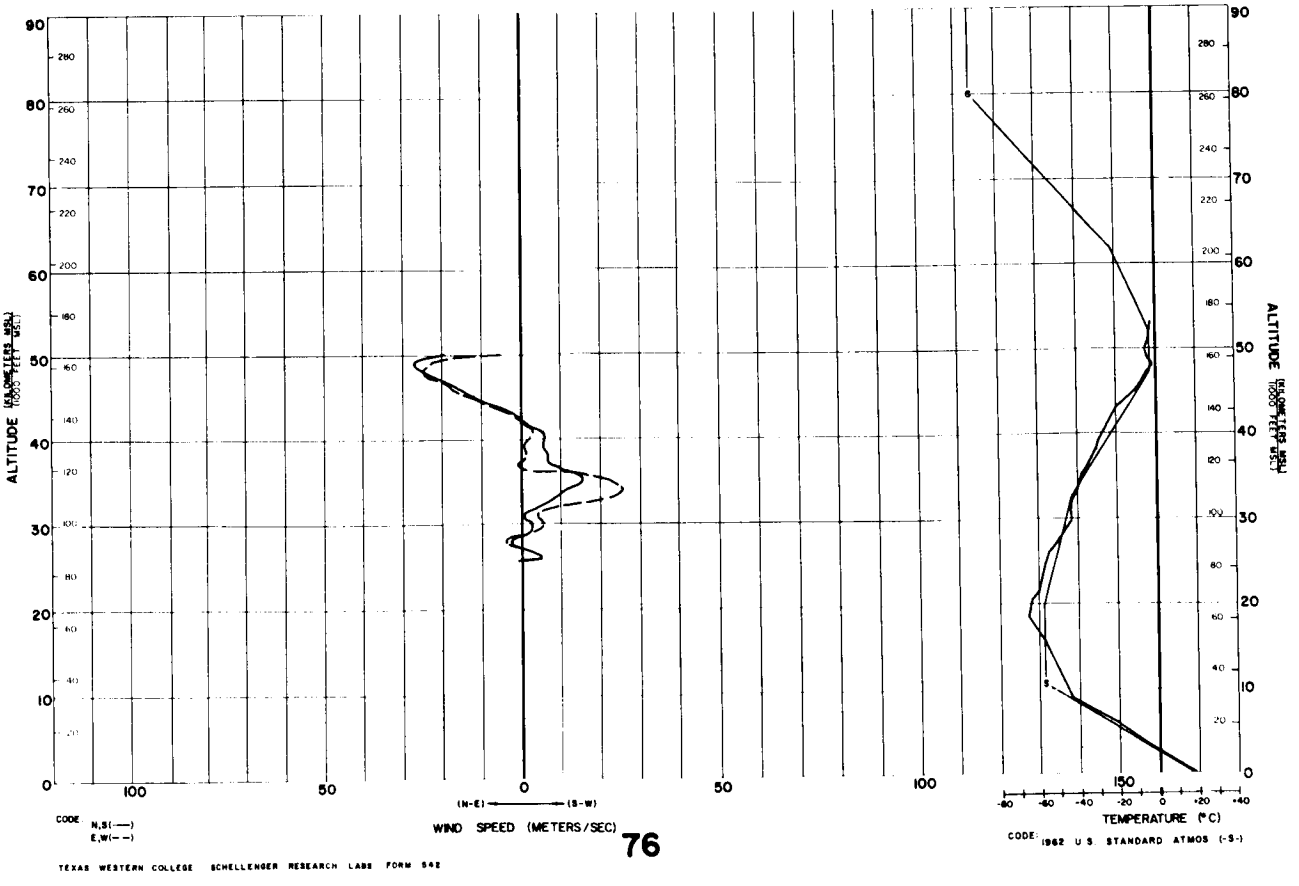
A MSL	TDC	PMB	D	SOS
5300	-01.7	00.525	00.676	331
5200	-03.1	00.594	00.765	330
5100	-04.2	00.673	00.872	329
5000	-05.3	00.763	00.992	328
4900	-04.1	00.866	01.119	329
4800	-02.0	00.983	01.270	330
4700	-04.2	01.116	01.453	329
4600	-06.8	01.268	01.651	328
4500	-09.5	01.440	01.876	326
4400	-14.6	01.642	02.218	323
4300	-19.7	01.873	02.530	320
4200	-22.6	02.144	02.987	318
4100	-24.9	02.456	03.422	316
4000	-26.9	02.821	04.031	315
3900	-28.9	03.241	04.632	314
3800	-30.9	03.724	05.322	312
3700	-32.9	04.280	06.115	311
3600	-35.3	04.930	07.229	310
3500	-37.8	05.685	08.440	308
3400	-38.8	06.567	09.750	307
3300	-40.8	07.591	11.387	306
3200	-42.9	08.784	13.305	305
3100	-43.7	10.174	15.427	304
3000	-43.3	11.791	17.875	304
2800	-48.5	15.884	24.588	301
2600	-55.0	21.560	34.454	296
2450	-57.3	27.242	43.927	295

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0007.1	3353				-39.6
0008.9	3200				-44.2
0011.1	3048				-45.5
0013.9	2896				-44.5
0017.5	2743				-46.6
0022.0	2591				-50.5
0027.7	2438				-56.0
0044.9	2134				-60.4
0073.5	1829				-65.7
0119.8	1524				-57.3
0192.7	1219			23	-51.2
0308.0	0914			23	-44.6
0476.2	0610			22	-23.1
0708.1	0305			24	-01.6
1026.2	0000			47	+18.3
0010.0	3099				-45.4
0050.0	2055				-63.1
0100.0	1632				-60.0
0500.0	0572			22	-20.1
0700.0	0313			24	-02.1

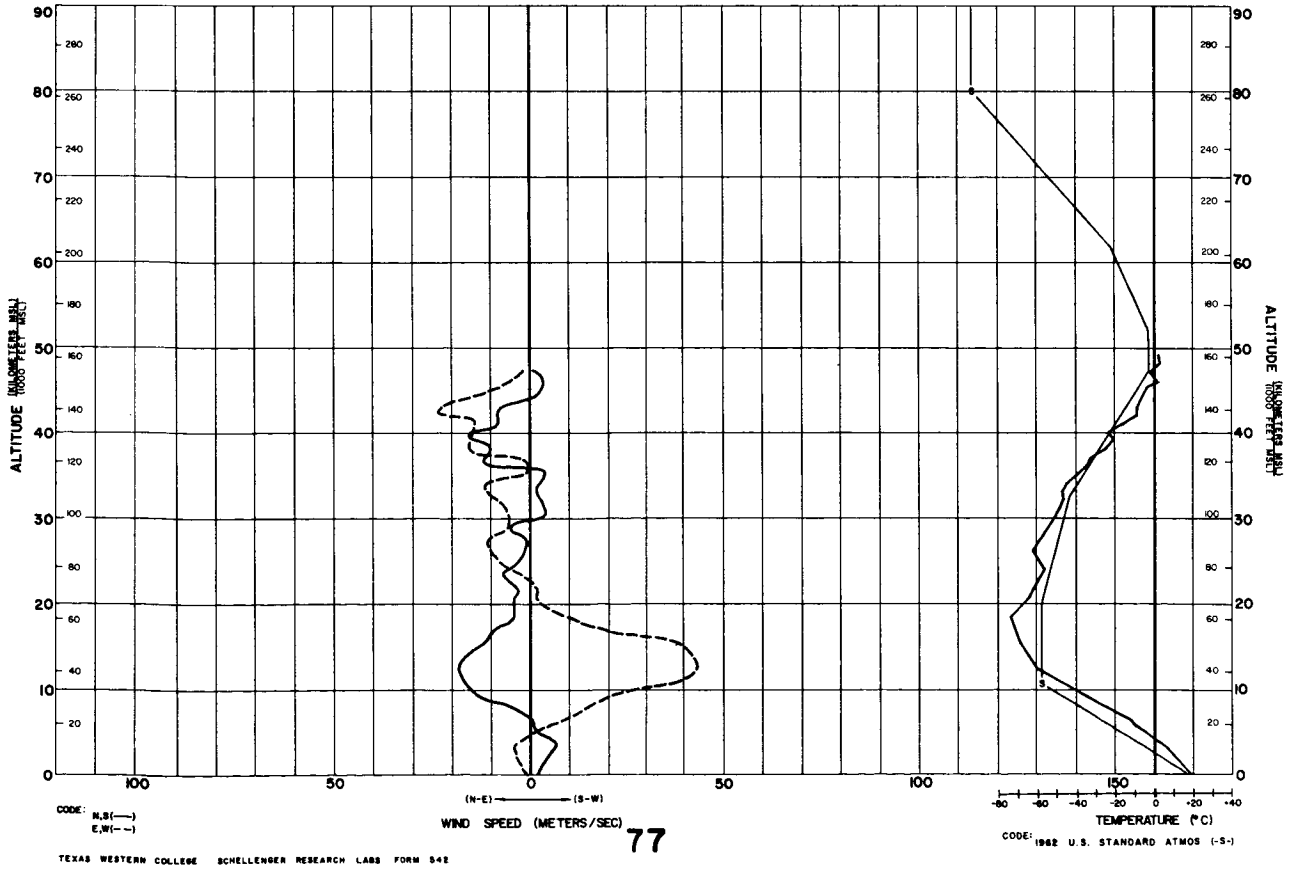


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 10	1500	-02	00	02	99								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
066	4724	+001	-002	4900	+01.9	00.882	01.117	333					0007.2	3325				-42.1
057	4572	+003	-007	4800	+02.4	00.996	01.259	333					0008.7	3200	+003	-010		-42.4
051	4420	+002	-014	4700	-02.0	01.126	01.447	330					0010.8	3050	+002	-006		-44.0
046	4267	-008	-023	4600	+00.8	01.274	01.620	332					0013.5	2900	-001	-007		-49.3
039	4115	-008	-014	4500	-04.4	01.441	01.868	329					0017.0	2750	+000	-010		-52.7
030	3962	-016	-015	4400	-06.8	01.634	02.138	328					0021.5	2600	-001	-009		-55.6
027	3810	-010	-016	4300	-09.2	01.855	02.448	326					0027.1	2450	-005	-009		-56.2
024	3658	-012	-001	4200	-09.3	02.107	02.782	326					0045.3	2125	-003	+002		-61.6
022	3505	+004	-001	4100	-16.4	02.398	03.253	322					0073.9	1825	-004	+011		-73.0
018	3353	+002	-012	4000	-23.0	02.738	03.813	317					0123.0	1525	-012	+038		-69.7
017	3200	+003	-008	3900	-20.3	03.130	04.313	319					0200.8	1225	-018	+043	28	-58.9
015	3048	+004	-006	3800	-24.3	03.580	05.011	317					0315.5	0925	-013	+020	36	-34.3
013	2896	-005	-006	3700	-32.4	04.108	05.944	311					0491.6	0600	+001	+007	29	-11.8
011	2743	-001	-011	3600	-34.2	04.727	06.892	310					0716.4	0300	+006	-004	20	+07.3
010	2591	-002	-010	3500	-39.0	05.451	08.110	307					1024.7	0000	+002	-001	75	+18.7
008	2438	-004	-007	3400	-44.1	06.305	09.589	304					0010.0	3082	+003	-007		-42.3
008	2377	-007	-003	3300	-46.4	07.310	11.231	302					0050.0	2053	-004	+002		-63.0
				3200	-46.0	08.481	13.007	302					0100.0	1640	-010	+023		-70.9
				3100	-48.2	09.846	15.249	301					0500.0	0585	+001	+006	27	-10.8
				3000	-50.6	11.449	17.922	299					0700.0	0318	+007	-004	21	+06.0
				2800	-57.2	15.577	25.129	295										
				2600	-61.1	21.377	35.120	292										
				2400	-56.6	29.310	47.153	295										



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
15901	FORT CHURCHILL, CANADA	66 02 10	1900	-06	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
080	5120	-010	-010
068	4798	-011	-004
050	4446	-015	-005
041	4174	-010	-012
034	3948	-010	-024
032	3749	-025	-025
027	3572	-024	-013
022	3426	-030	-010
023	3293	-026	-001
021	3163	-034	-002
018	3045	-035	+005
015	2946	-031	+005
015	2856	-025	+006
013	2770	-024	+006
011	2697	-020	+008
012	2630	-018	+009
010	2535	-016	+005
009	2423	-020	+007
009	2343	-009	+005

THERMODYNAMICS

A MSL	TDC	PMB	D	SOS
6845	+02.9	00.083	00.104	333
6650	+08.0	00.105	00.130	336
6570	+10.0	00.115	00.141	337
6505	+09.7	00.125	00.153	337
6055	-00.5	00.214	00.273	331
5915	-00.5	00.255	00.325	331
5599	+02.9	00.375	00.472	333
5415	-00.9	00.470	00.600	331
5325	+01.7	00.524	00.664	332
5255	+00.9	00.571	00.726	332
5180	+02.7	00.626	00.790	333
5080	-02.6	00.708	00.911	330
5000	+02.5	00.781	00.987	333
4859	+06.7	00.927	01.154	335
4692	-02.7	01.137	01.464	330
4390	-05.1	01.659	02.156	328
4356	-08.4	01.732	02.279	326
4320	-07.8	01.813	02.380	327
4250	-12.4	01.983	02.649	324
4210	-12.9	02.089	02.795	323
4175	-19.1	02.187	02.998	320
4140	-17.7	02.291	03.123	320
4000	-27.0	02.765	03.913	315
3955	-23.7	02.940	04.105	317
3896	-22.5	03.183	04.424	317
3865	-24.6	03.320	04.652	316
3815	-24.5	03.553	04.977	316
3740	-31.6	03.940	05.681	312
3607	-25.9	04.735	06.670	315
3536	-26.8	05.218	07.378	315
3490	-25.6	05.557	07.819	315
3450	-30.3	05.872	08.422	312
3433	-27.6	06.011	08.528	314
3421	-31.8	06.112	08.822	311
3335	-33.6	06.898	10.031	310
3300	-32.7	07.247	10.499	311
3253	-35.9	07.745	11.373	309
3235	-32.6	07.945	11.506	311
3140	-37.6	09.093	13.449	308
3110	-35.9	09.492	13.938	309

COMPOSITION

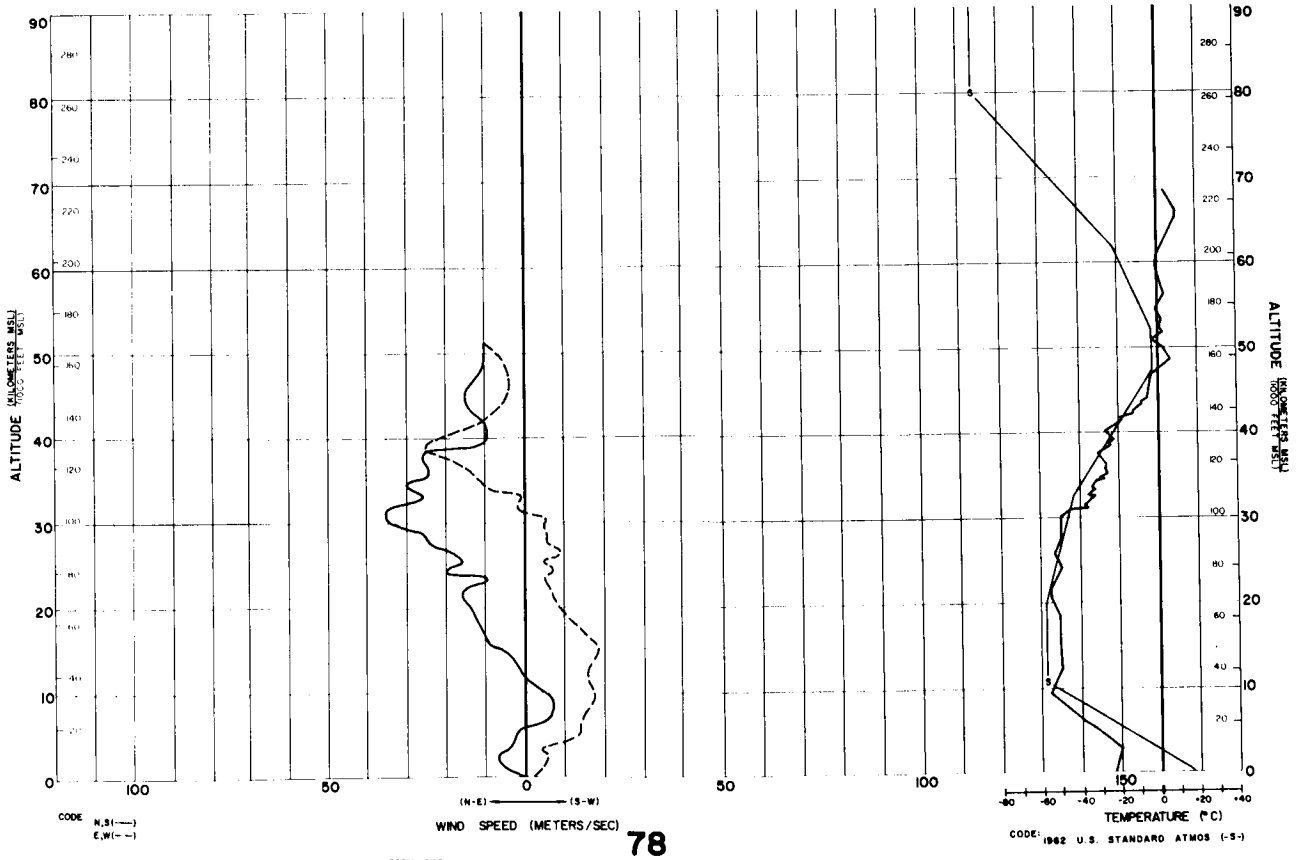
A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.3	3048	-035	+000		-47.1
0012.8	2896	-040	+005		-51.1
0016.3	2743	-035	+007		-55.4
0020.7	2591	-033	+008		-54.5
0026.3	2438	-021	+009		-54.5
0042.3	2134	-016	+007		-55.5
0068.1	1829	-012	+012		-50.9
0108.8	1524	-008	+018		-50.9
0173.0	1219	-001	+016		-50.0
0277.0	0914	+007	+017	19	-55.6
0440.0	0610	+002	+014	61	-39.5
0677.7	0305	-006	+004	66	-21.6
1013.7	0001	+000	+002	66	-23.2
0010.0	3060	-034	+000		-46.7
0050.0	2028	-014	+008		-54.7
0100.0	1578	-009	+017		-50.8
0500.0	0523	-002	+014	43	-34.7
0700.0	0281	-007	+005	47	-20.4

THERMODYNAMICS (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
				3080	-44.6	09.915	15.113	303
				3000	-49.8	11.178	17.433	300
				2740	-49.8	16.577	25.855	300
				2566	-52.8	21.623	34.185	298
				2438	-50.4	26.300	41.132	299
				2395	-49.7			



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 10	1900	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
093	5255	-012	-010
069	5011	-009	-019
066	4808	-008	-015
050	4560	-009	-030
047	4270	-009	-031
036	4023	-004	-021
030	3825	-002	-010
029	3647	-007	+005
024	3487	-014	+016
023	3344	-007	+012
019	3216	-003	+014
018	3104	-003	+010
016	3004	-001	+010
015	2912	-001	+006
013	2829	-001	+009
012	2754	-005	+009
011	2685	+000	+012
010	2621	+009	+005
010	2531	-005	-001
008	2426	-005	+010
008	2332	+003	+008
007	2240	+005	+003
006	2164	+003	+005
007	2089	+002	+008
005	2018	+006	+003
005	1958	+010	-003
004	1905	+009	+012
007	1839	+015	+012
005	1771	+006	+007
004	1718	+006	-002
005	1676	+000	+000

THERMODYNAMICS

A MSL	TDC	PMB	D	SOS
4892	-04.7	00.953	01.236	328
4776	-07.9	01.103	01.448	326
4697	-06.0	01.218	01.588	328
4566	-08.9	01.438	01.896	326
4514	-07.8	01.537	02.017	327
4444	-11.6	01.681	02.238	324
4289	-08.6	02.050	02.699	326
4243	-06.0	02.173	02.833	328
4127	-09.3	02.518	03.324	326
4084	-15.5	02.662	03.599	322
3990	-18.1	03.012	04.114	320
3752	-17.3	04.126	05.617	321
3694	-14.2	04.452	05.989	323
3618	-13.8	04.915	06.602	323
3566	-15.1	05.261	07.101	322
3536	-15.1	05.471	07.386	322
3469	-19.7	05.978	08.216	319
3450	-24.2	06.133	08.581	316
3420	-25.9	06.388	09.001	315
3380	-26.7	06.748	09.538	315
3347	-30.9	07.063	10.157	312
3225	-36.4	08.391	12.347	308
3200	-42.6	08.700	13.146	304
3173	-41.2	09.051	13.593	305
3109	-47.6	09.949	15.367	301
3030	-46.2	11.197	17.187	302
2960	-46.6	12.430	19.113	302
2932	-48.9	12.964	20.139	300
2804	-50.9	15.742	24.674	299
2761	-53.2	16.813	26.629	297
2640	-54.1	20.265	32.228	297
2594	-55.8	21.766	34.885	296
2502	-55.0	25.116	40.108	296
2475	-53.2	26.188	41.478	297
2451	-53.6	27.176	43.120	297
2438	-57.0	27.731	44.694	295
2420	-57.7	28.527	46.125	294
2271	-52.5	35.966	56.784	298
2220	-52.8	38.902	61.502	298
2149	-53.6	43.405	68.871	297

COMPOSITION

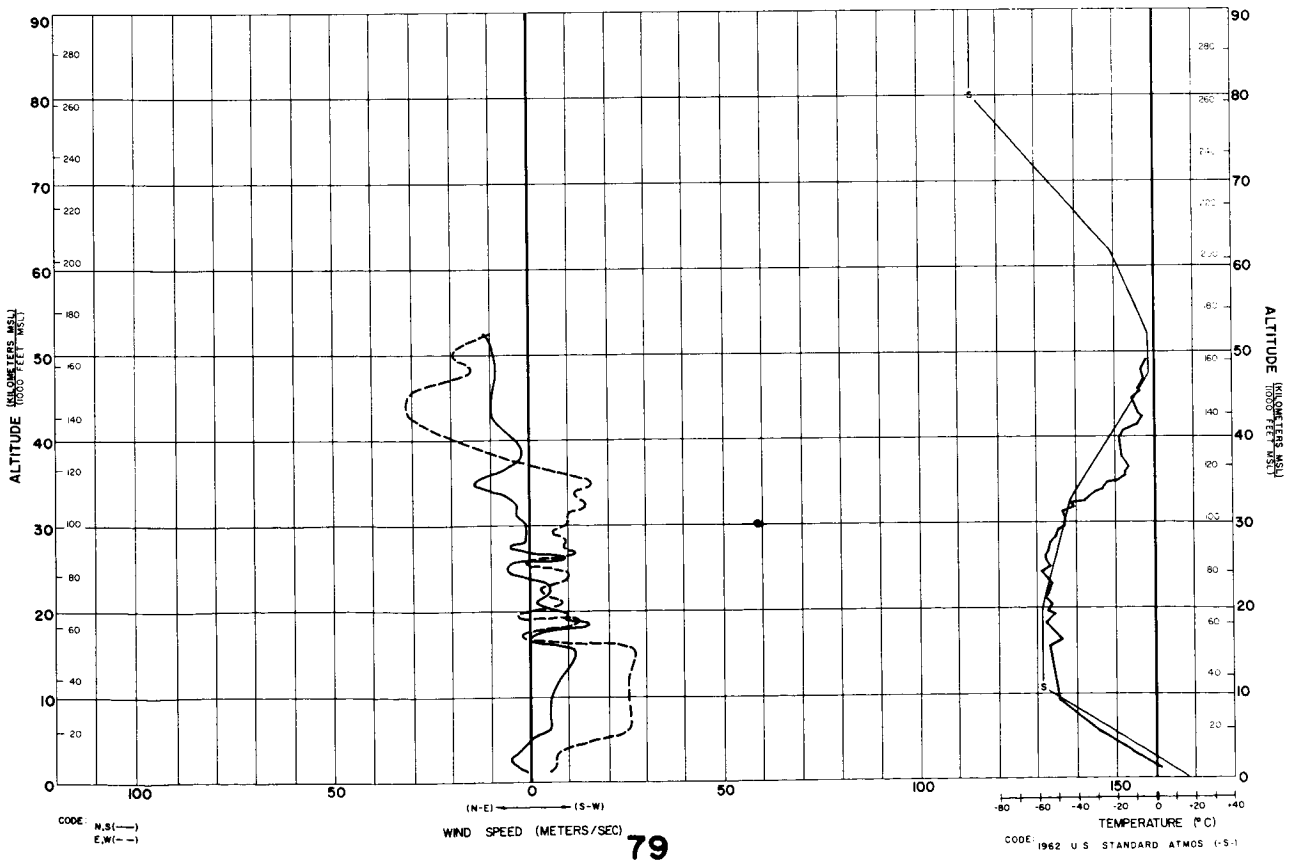
A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.9	3048	+005	+015		-46.8
0013.7	2896	-003	-010		-48.7
0017.3	2743	+001	+007		-53.2
0021.9	2591	+000	+005		-54.9
0027.8	2438	-004	+011		-57.1
0044.7	2134	+007	+001		-55.1
0071.7	1829	+014	+012		-54.9
0114.6	1524	+012	+027		-53.0
0183.1	1219	+008	+026		-51.1
0291.5	0914	+005	+026		-49.6
0457.8	0610	+005	+026	59	-33.3
0693.2	0305	-004	+007	45	-12.3
0875.6	0122	-001	+005	56	+01.1
0010.0	3092				-46.7
0050.0	2054	+009	+001		-56.3
0100.0	1609	+006	+020		-48.0
0500.0	0547	+002	+023	66	-28.6
0700.0	0297	-005	+007	45	-11.8

THERMODYNAMICS (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
				2100	-55.7	46.837	75.035	296
				2027	-52.1	52.441	82.644	298
				1966	-54.4	57.619	91.761	296
				1942	-51.9			
				1911	-51.7			
				1807	-56.9			

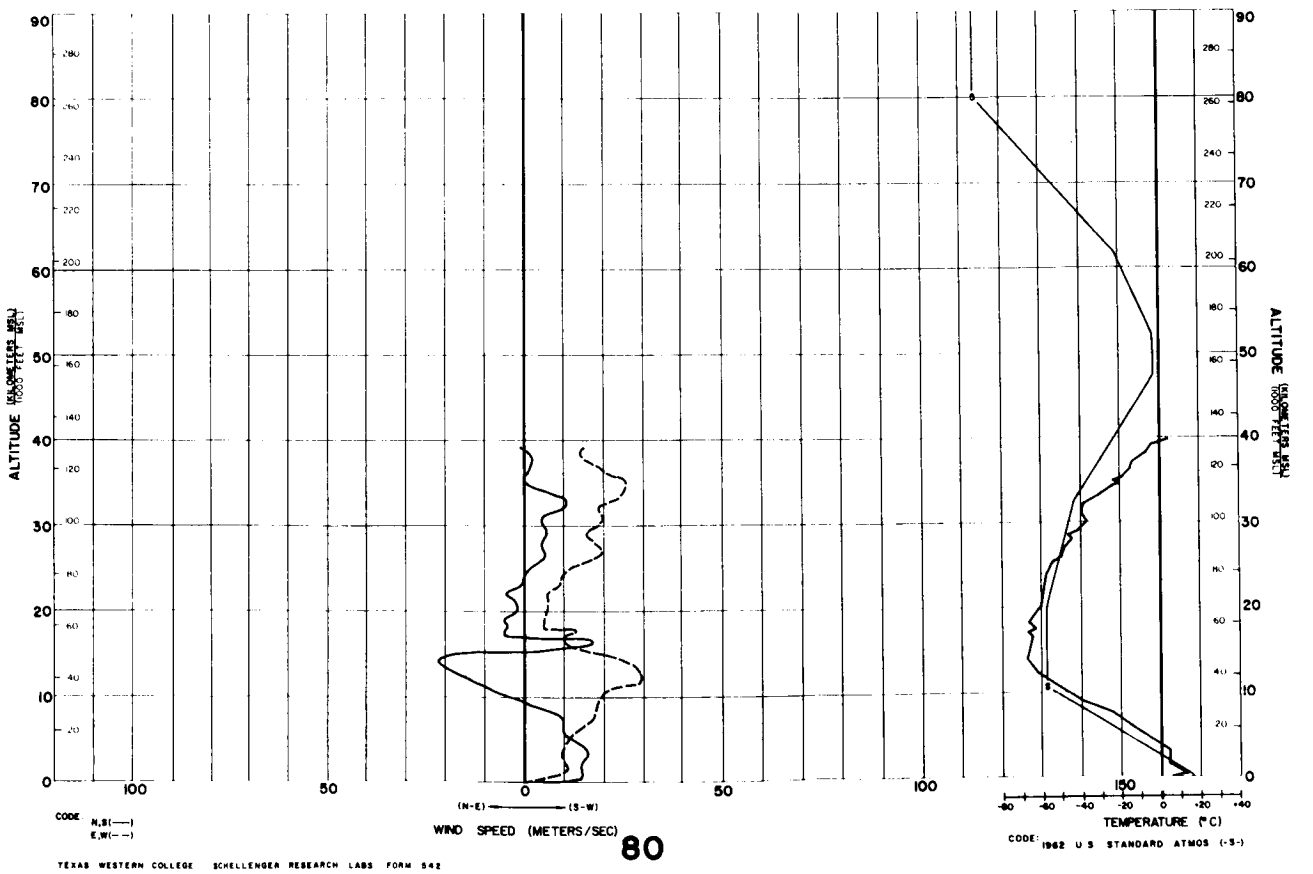


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 10	1915	-02	16	02	07			01			3978	2500	1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
043	3900	-001	+015	3978	+04.4	03.194	04.008	334					0008.6	3207				-42.6
038	3800	+002	+014	3900	-03.2	03.516	04.537	329					0010.5	3075	+008	+020		-47.6
038	3700	+002	+018	3800	-08.2	03.989	05.245	326					0016.0	2795	+010	+018		-48.8
035	3600	+001	+021	3700	-13.1	04.537	06.077	323					0020.0	2646	+001	+010		-52.5
031	3500	+000	+026	3600	-15.4	05.169	06.986	322					0030.0	2386	-003	+008		-59.6
029	3400	+005	+025	3500	-19.5	05.899	08.102	319					0035.0	2288	-004	+005		-58.0
026	3300	+011	+023	3484	-23.2	06.027	08.400	317					0070.0	1856	+001	+010		-65.0
023	3200	+010	+018	3441	-21.2	06.386	08.830	318					0073.0	1830	+000	+010		-65.5
020	3100	+005	+019	3400	-24.3	06.750	09.449	316					0082.0	1760	-005	+013		-62.1
019	3000	+005	+018	3300	-31.8	07.748	11.184	311					0089.0	1711	-005	+011		-67.1
018	2900	+006	+016	3200	-39.2	08.933	13.302	307					1031.2	0000	+004	+000	84	+05.0
017	2800	+004	+018	3100	-39.8	10.325	15.414	306					0010.0	3105	+008	+018		-46.3
016	2700	+005	+019	3000	-37.8	11.929	17.657	308					0050.0	2064	-005	+007		-61.6
015	2600	+005	+017	2900	-41.6	13.790	20.747	305					0100.0	1637	+017	+010		-64.6
014	2500	+002	+012	2853	-46.9	14.783	22.761	302					0150.0	1391	-022	+026		-68.0
013	2400	+000	+009	2800	-44.4	15.997	24.361	303					0200.0	1216	-015	+029		-62.8
011	2300	-001	+008	2700	-48.0	18.571	28.734	301					0250.0	1075	-007	+021		-50.6
011	2200	-004	+006	2600	-49.8	21.600	33.690	300					0300.0	0920	+001	+018	32	-40.0
010	2100	-002	+006	2500	-53.2	25.168	39.862	297					0400.0	0749	+009	+017	36	-24.4
009	2000	-002	+006	2400	-57.5	29.407	47.505	294					0500.0	0584	+010	+012	26	-14.8
008	1900	-005	+005	2300	-58.0	34.422	55.734	294					0700.0	0318	+016	+009	28	+03.9
008	1800	-004	+005	2200	-58.5	40.308	65.417	294					0850.0	0160	+014	+011	76	+02.5
				2100	-59.2	47.223	76.891	293					1000.0	0026	+014	+002	49	+12.5
				2000	-59.9													
				1996	-60.0													



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	PP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 10	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
114	5599	+016	-040
088	5297	+012	-034
080	5045	+001	-044
060	4746	-010	-033
048	4424	-018	-032
038	4166	-023	-029
033	3952	-029	-021
030	3763	-024	-014
024	3602	-028	-011
024	3459	-024	-010
021	3324	-016	-009
020	3201	-011	-006
017	3091	-014	-004
015	2994	-015	-004
015	2903	-009	-005
014	2817	-008	+001
012	2739	-001	+001
012	2667	-010	+005
010	2571	-005	+006
009	2455	-006	+009
008	2353	+005	+015
008	2261	+002	+011
007	2173	+005	+014
007	2091	+008	+015
005	2017	+010	+016
006	1950	+010	+015
004	1881	+008	+017

THERMODYNAMICS

A MSL	TDC	PMB	D	SOS
6300	-10.8	00.149	00.197	325
5890	-07.9	00.251	00.329	326
5570	-12.5	00.377	00.503	324
5340	-07.6	00.506	00.663	327
5235	-13.6	00.578	00.776	323
5190	-10.4	00.613	00.812	325
4950	-13.0	00.834	01.117	323
4920	-15.6	00.868	01.173	322
4840	-16.5	00.963	01.307	321
4760	-20.1	01.071	01.473	319
4650	-18.0	01.239	01.691	320
4580	-21.1	01.359	01.878	318
4540	-19.5	01.434	01.969	319
4480	-24.8	01.554	02.179	316
4410	-22.3	01.708	02.371	318
4260	-25.9	02.092	02.947	315
4170	-24.9	02.365	03.318	316
3935	-25.0	03.255	04.569	316
3800	-26.9	03.913	05.536	315
3790	-27.2	03.967	05.619	314
3740	-30.4	04.251	06.100	312
3625	-34.1	04.995	07.279	310
3530	-33.5	05.712	08.302	310
3400	-37.3	06.871	10.149	308
3320	-34.5	07.701	11.241	310
2950	-38.0	13.062	19.350	307
2910	-36.5	13.834	20.363	308
2760	-38.6	17.162	25.489	307
2720	-37.3	18.179	26.851	308
2640	-37.7	20.395	30.175	308
2605	-39.3	21.452	31.957	307
2560	-41.8	22.906	34.491	305
2400	-43.4	28.981	43.943	304
2330	-45.9	32.153	49.290	302
2275	-41.8	34.879	52.520	305
2220	-39.7	37.794	56.398	306
2190	-41.9	39.487	59.484	305
2170	-41.0	40.660	61.015	305
2160	-42.0	41.260	62.183	305
2155	-44.5	41.566	63.329	303

COMPOSITION

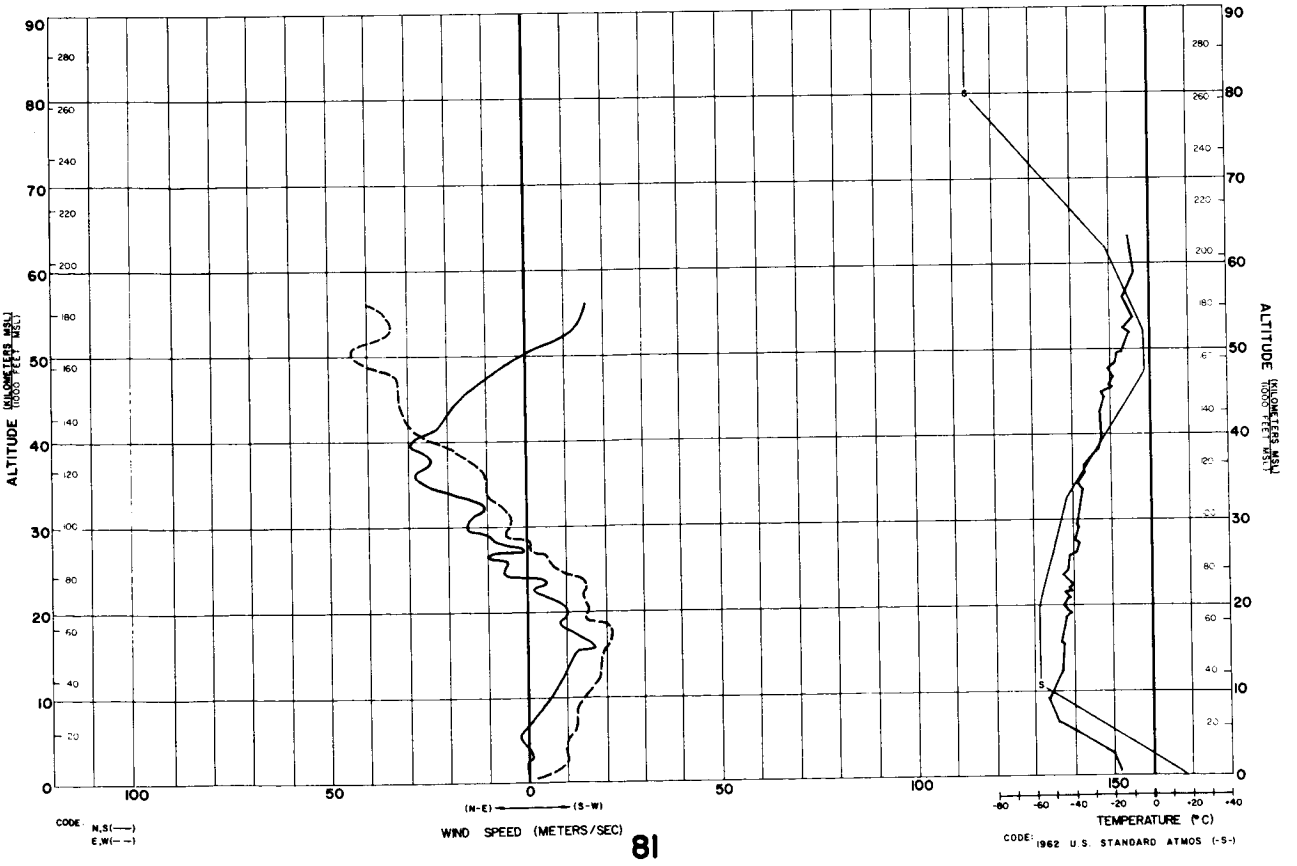
A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0013.9	2896	-005	-001		-39.0
0017.1	2743	-009	-001		-41.1
0021.8	2591	-007	+010		-43.5
0027.2	2438	+001	+014		-44.5
0042.8	2134	+005	+019		-43.4
0067.4	1829	+009	+021		-43.1
0106.2	1524	+013	+019		-45.8
0167.8	1219	+009	+018		-47.1
0267.8	0914	+004	+013		-52.9
0430.0	0610	-001	+012		-47.8
0666.1	0305	+001	+010	82	-22.9
0949.1	0040	+000	+002	76	-16.6
0050.0	2030	+008	+013		-45.2
0100.0	1564	+017	+020		-46.6
0500.0	0509	-002	+011		-39.9
0700.0	0269	+000	+010	83	-19.9

THERMODYNAMICS (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
				2075	-42.1	46.778	70.529	305
				2065	-44.0	47.473	72.170	303
				2000	-44.6			
				1955	-42.5			
				1930	-43.1			
				1910	-41.4			
				1850	-43.3			

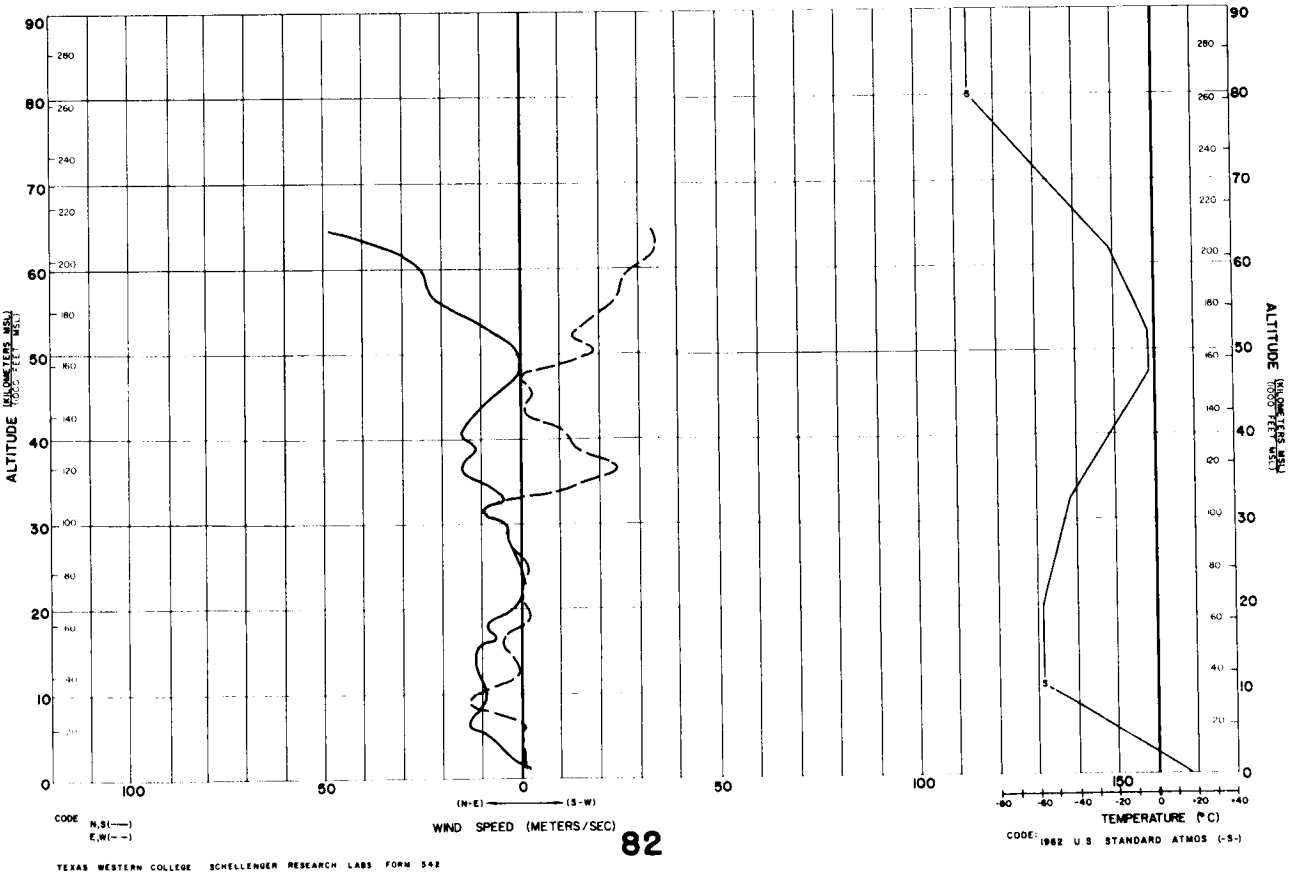


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93132	GREEN RIVER, UTAH	66 02 10	2300	-01	20	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
106	6453	-048	+033										0045.1	2134	-002	-001		-53.9
075	6181	-030	+033										0072.2	1829	-008	+002		-52.4
052	5913	-024	+027										0115.0	1524	-011	-004		-49.2
041	5634	-022	+024										0182.1	1219	-011	-001		-44.7
035	5407	-012	+018										0288.0	0914	-009	-013		-49.2
030	5212	-006	+013										0456.2	0610	-013	+001	36	-38.9
028	5035	-002	+018										0694.1	0305	-004	+001	70	-13.0
023	4881	+000	+009										0867.6	0130	+002	+001	62	-00.5
024	4740	-001	+000										0050.0	2061	-002	-002		-53.6
021	4540	-006	+003										0100.0	1612	-007	-004		-50.3
020	4293	-012	+002										0500.0	0542	-010	+000	33	-33.2
018	4068	-015	+012										0700.0	0298	-004	+000	70	-12.6
018	3856	-012	+015															
016	3652	-015	+024															
015	3466	-009	+015															
013	3296	-004	-003															
014	3133	-009	-009															
012	2981	-003	-003															
011	2844	-003	-003															
011	2649	-002	-001															
009	2411	+000	+002															
011	2169	+000	+000															
007	1946	-004	+002															

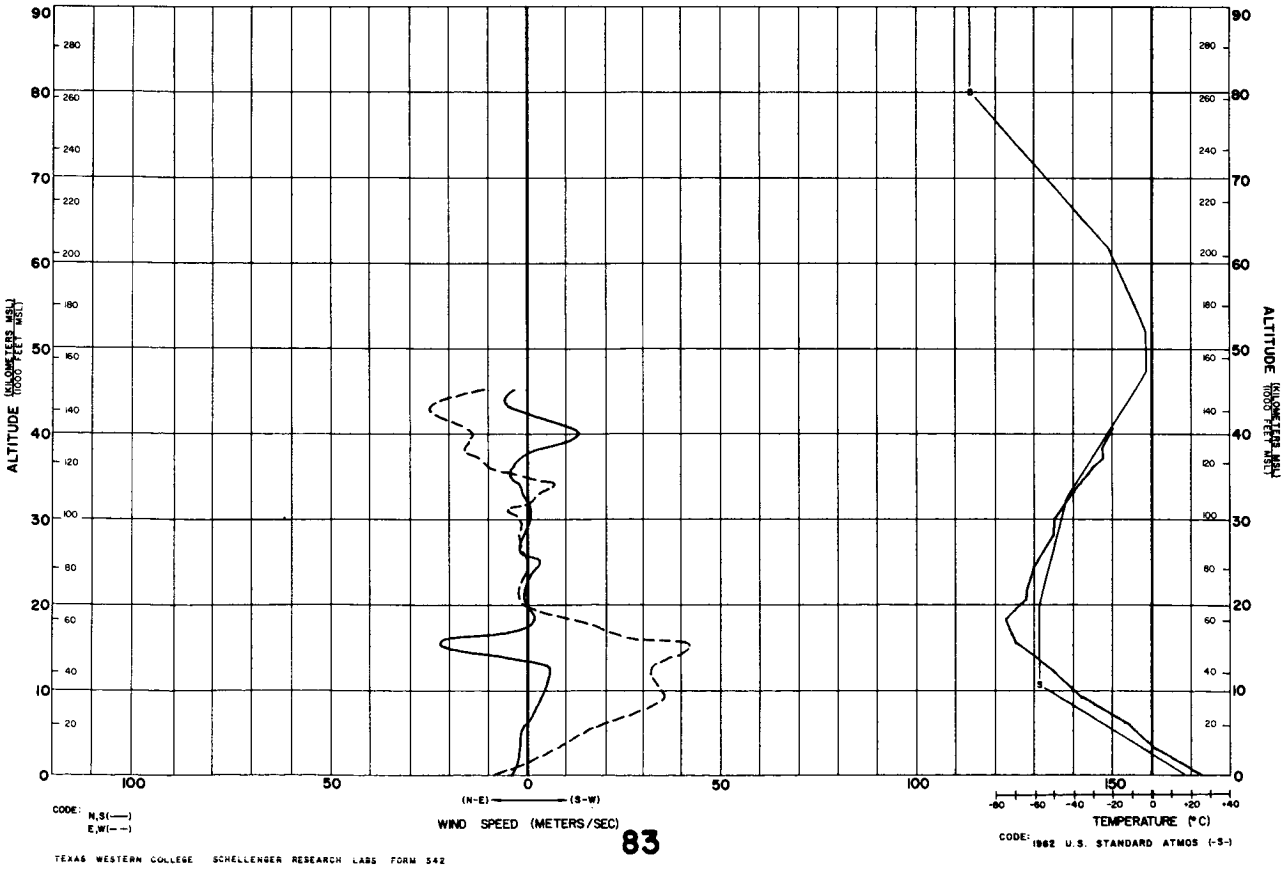


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 10	2340	-03	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
076	4500	-003	-011	4075	-18.9	02.535	03.475	320					0006.8	3353	-001	+003		-42.9
072	4400	-006	-021	4000	-20.9	02.801	03.876	319					0008.5	3200	+001	+000		-45.6
071	4300	-004	-025	3900	-23.1	03.203	04.469	317					0010.7	3048	+001	-002		-49.4
067	4200	+003	-022	3800	-25.1	03.668	05.150	316					0013.5	2896	-003	-005		-51.0
052	4100	+010	-017	3700	-25.6	04.203	05.911	316					0017.0	2743	+001	-001		-50.2
043	4000	+013	-014	3600	-30.0	04.822	06.896	313					0021.5	2591	-001	+002		-54.6
046	3900	+010	-015	3500	-32.1	05.544	08.004	312					0027.3	2438	+002	+000		-60.2
044	3800	+001	-016	3400	-36.2	06.385	09.366	309					0044.4	2134	-001	-002		-64.4
040	3700	-002	-012	3300	-39.8	07.372	10.983	307					0073.4	1829	+002	+012		-74.5
035	3600	-003	-010	3200	-44.0	08.532	12.975	304					0123.5	1524	-022	+042		-69.9
032	3500	-004	-002	3100	-46.4	09.894	15.168	302					0201.7	1219	+006	+032	10	-50.6
031	3400	-002	+007	3000	-49.7	11.498	17.902	300					0317.3	0914	+003	+036	10	-36.5
032	3300	-001	+003	2800	-50.5	15.558	24.326	299					0481.6	0610	+000	+020	06	-13.9
030	3200	+000	+001	2600	-55.2	21.146	33.801	296					0708.7	0305	-002	+007	78	+02.5
027	3100	+001	-005	2450	-60.3	26.753	43.746	293					1017.7	0000	-004	-008	68	+24.5
024	3000	+001	-002										0010.0	3072	+001	-002		-47.8
024	2800	-001	-002										0050.0	2050	-001	-002		-64.3
022	2600	-002	-001										0100.0	1642	-010	+023		-71.9
021	2500	+003	+000										0500.0	0579	-001	+018	06	-12.3
													0700.0	0314	-002	+008	68	+01.5



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 11	0008	-01	01	04	00			00	5800	3300			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
067	5800	-018	+027
065	5700	-011	+031
065	5600	-008	+032
061	5500	-003	+032
057	5400	+000	+036
053	5300	+000	+032
050	5200	-001	+030
047	5100	-004	+026
043	5000	-006	+024
040	4900	-004	+020
039	4800	-004	+012
036	4700	-002	+005
032	4600	-002	+006
031	4500	-004	+011
029	4400	-006	+014
030	4300	-006	+014
029	4200	+002	+011
024	4100	+005	+006
022	4000	+004	+003
021	3900	+000	+003
020	3800	+001	+003
018	3700	+003	+001
017	3600	+006	-001
014	3500	+004	-005
013	3400	+005	-004
013	3300	+008	+003

THERMODYNAMICS

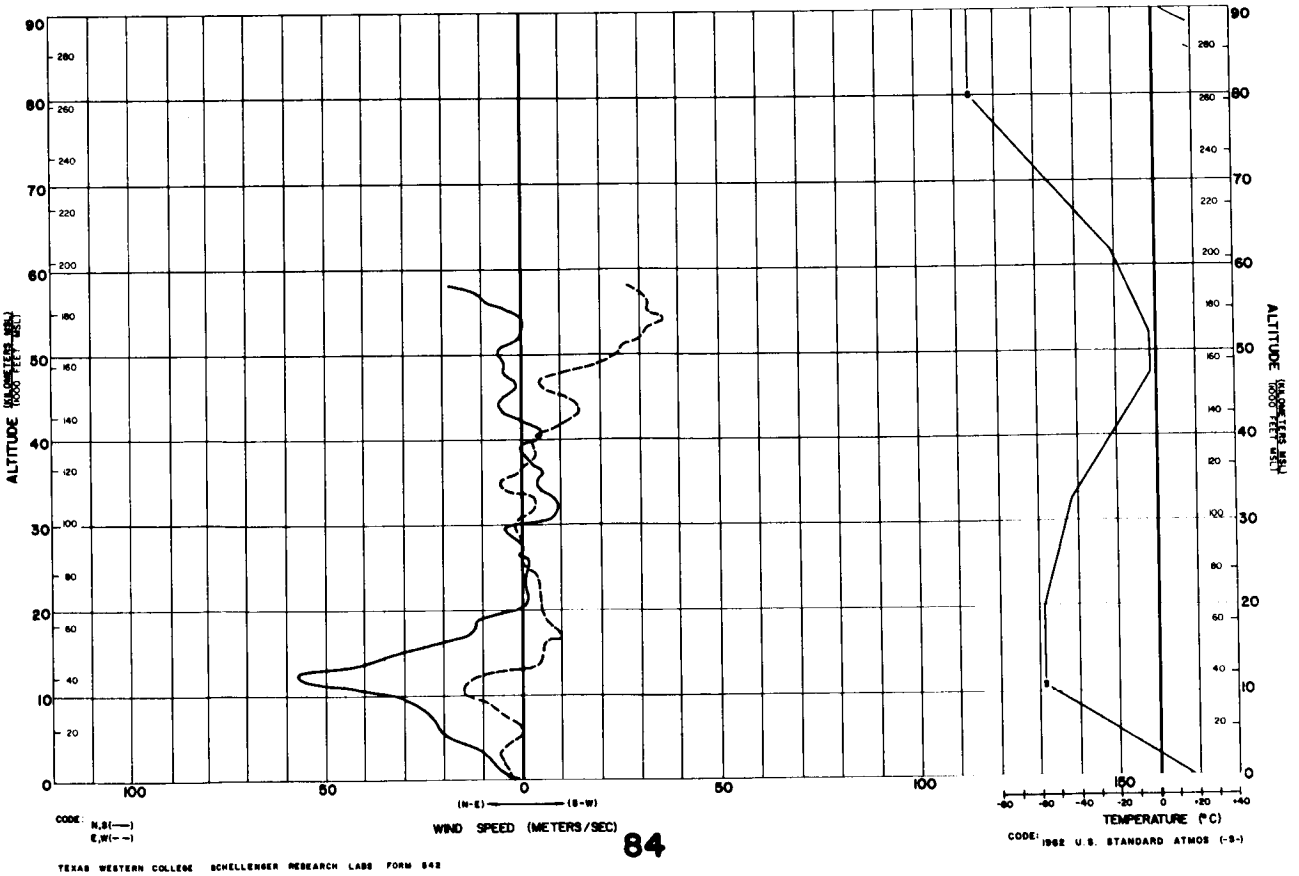
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0006.6	3380				-44.0
0007.0	3340	+008	+003		-44.4
0012.5	2954	-004	-002		-49.6
0017.0	2746	+000	+000		-49.0
0019.0	2674	+000	+000		-53.5
0020.0	2641	-001	+000		-53.8
0026.0	2570	+002	+000		-55.7
0030.0	2381	+001	+004		-57.0
0070.0	1850	-012	+007		-65.0
0077.0	1792	-012	+008		-65.8
0091.0	1689	-016	+010		-61.0
1032.0	0004	-001	-002	47	+14.1
0010.0	3100	+008	+000		-46.1
0050.0	2059	+001	+005		-61.8
0100.0	1630	-020	+007		-62.6
0150.0	1380	-039	+004		-62.4
0200.0	1204	-057	-010		-64.2
0250.0	1064	-041	-015		-54.5
0300.0	0944	-029	-011		-45.1
0400.0	0745	-023	-004	25	-28.4
0500.0	0581	-021	+000	26	-15.7
0700.0	0317	-010	-006	25	+00.6
0850.0	0160	-007	-004	23	+04.6
1000.0	0027	-004	-003	55	+11.6



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 11	0114	-02	01	02	12			03	3550	3550			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
091	5200	-003	+034
091	5100	-005	+030
083	5000	-007	+027
071	4900	-012	+021
067	4800	-013	+015
067	4700	-010	+011
063	4600	-009	+010
057	4500	-007	+009
053	4400	-012	+017
050	4300	+001	+011
050	4200	+006	+001
045	4100	+003	-002
042	4000	+000	-005
	3550		
019	3100	+008	+002
018	3000	+005	-002
017	2900	+003	-003
014	2800	+003	-002
013	2700	+000	-001
012	2600	-004	-001
011	2500	-004	+001
010	2400	-002	+003
009	2300	+000	+005
007	2200	-001	+004
007	2100	-003	+003
007	2000	-005	+003
006	1900	-010	+004

THERMODYNAMICS

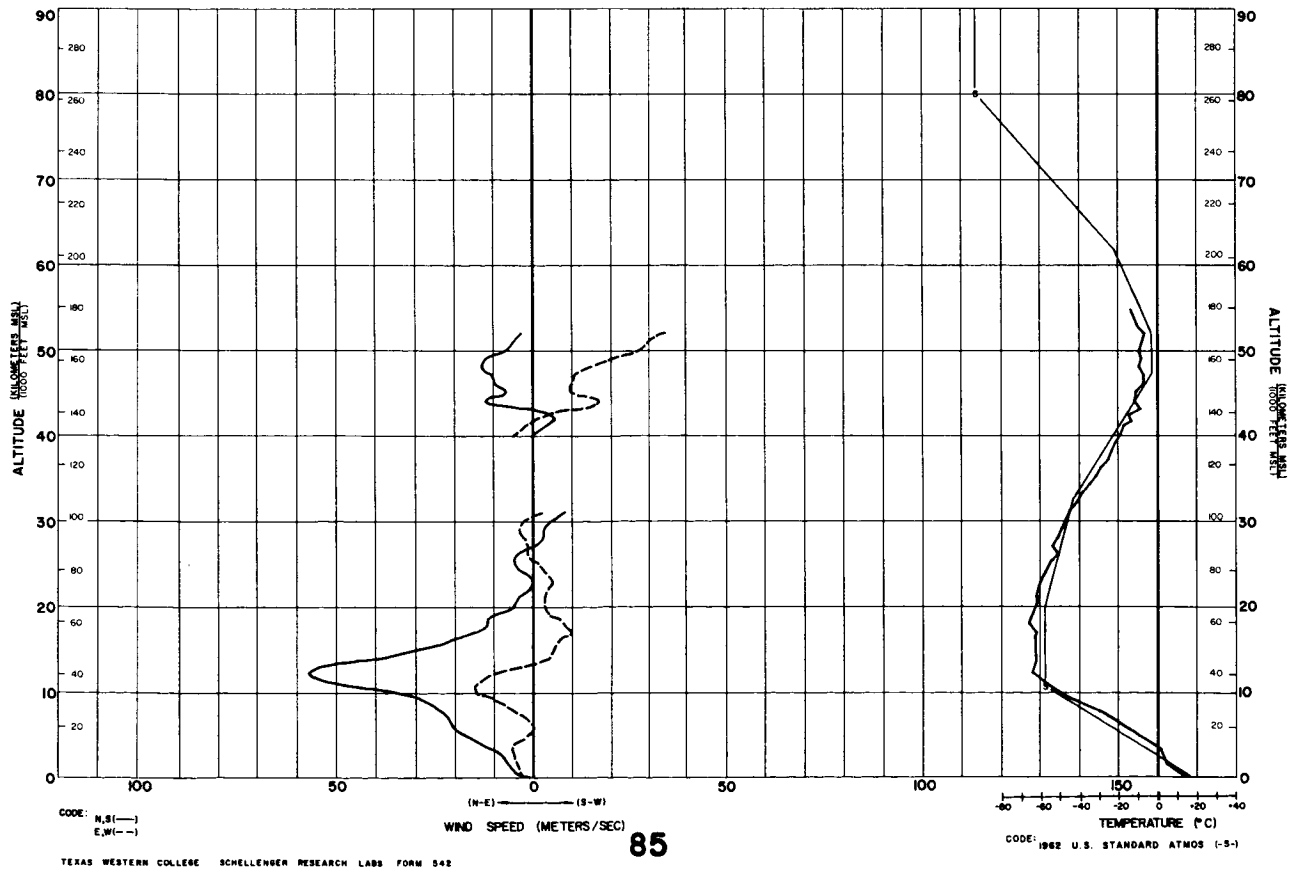
A MSL	TDC	PMB	D	SOS
5474	-13.9	00.430	00.575	323
5400	-12.5	00.473	00.632	323
5300	-10.6	00.538	00.713	325
5200	-07.1	00.611	00.799	327
5100	-08.5	00.694	00.913	326
5000	-09.5	00.788	01.041	325
4900	-08.5	00.895	01.177	326
4800	-09.9	01.017	01.345	325
4700	-07.4	01.155	01.513	327
4600	-07.1	01.311	01.716	327
4500	-10.7	01.489	01.976	325
4400	-12.0	01.694	02.259	324
4300	-08.5	01.925	02.533	326
4237	-13.9	02.093	02.812	322
4200	-13.4	02.190	02.936	323
4148	-12.6	02.350	03.141	323
4100	-17.6	02.495	03.400	320
4000	-18.7	02.847	03.897	320
3900	-21.0	03.253	04.493	318
3800	-23.2	03.721	05.185	317
3700	-24.6	04.259	05.968	316
3600	-29.9	04.888	06.999	313
3500	-31.7	05.621	08.108	311
3400	-35.5	06.470	09.482	309
3300	-39.2	07.468	11.118	306
3200	-41.7	08.640	13.002	305
3100	-45.1	10.006	15.282	302
3000	-47.1	11.613	17.893	301
2900	-49.2	13.497	20.991	300
2800	-51.0	15.713	24.635	298
2700	-52.9	18.314	28.961	297
2600	-50.8	21.353	33.448	299
2500	-54.2	24.896	39.603	297
2400	-57.6	29.098	47.018	294
2300	-59.2	34.077	55.475	293
2200	-60.3	39.935	65.347	292
2103	-61.3	46.620	76.646	291
2100	-61.3	46.850	77.025	291

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0006.6	3380				-44.0
0007.0	3340	+008	+003		-44.4
0012.5	2954	-004	-002		-49.6
0017.0	2746	+000	+000		-49.0
0019.0	2674	+000	+000		-53.5
0020.0	2641	-001	+000		-53.8
0026.0	2570	+002	+000		-55.7
0030.0	2381	+001	+004		-57.0
0070.0	1850	-012	+007		-65.0
0077.0	1792	-012	+008		-65.8
0091.0	1689	-016	+010		-61.0
1032.0	0004	-001	-002	47	+14.1
0010.0	3100	+008	+000		-46.1
0050.0	2059	+001	+000		-61.0
0100.0	1630	-020	+007		-62.6
0150.0	1380	-039	+004		-62.4
0200.0	1204	-057	-010		-64.2
0250.0	1064	-041	-015		-54.5
0300.0	0944	-029	-011		-45.1
0400.0	0745	-023	-004	25	-28.4
0500.0	0581	-021	+000	26	-15.7
0700.0	0317	-010	-006	25	+00.6
0850.0	0160	-007	-004	25	+04.6
1000.0	0027	-004	-003	25	+11.6

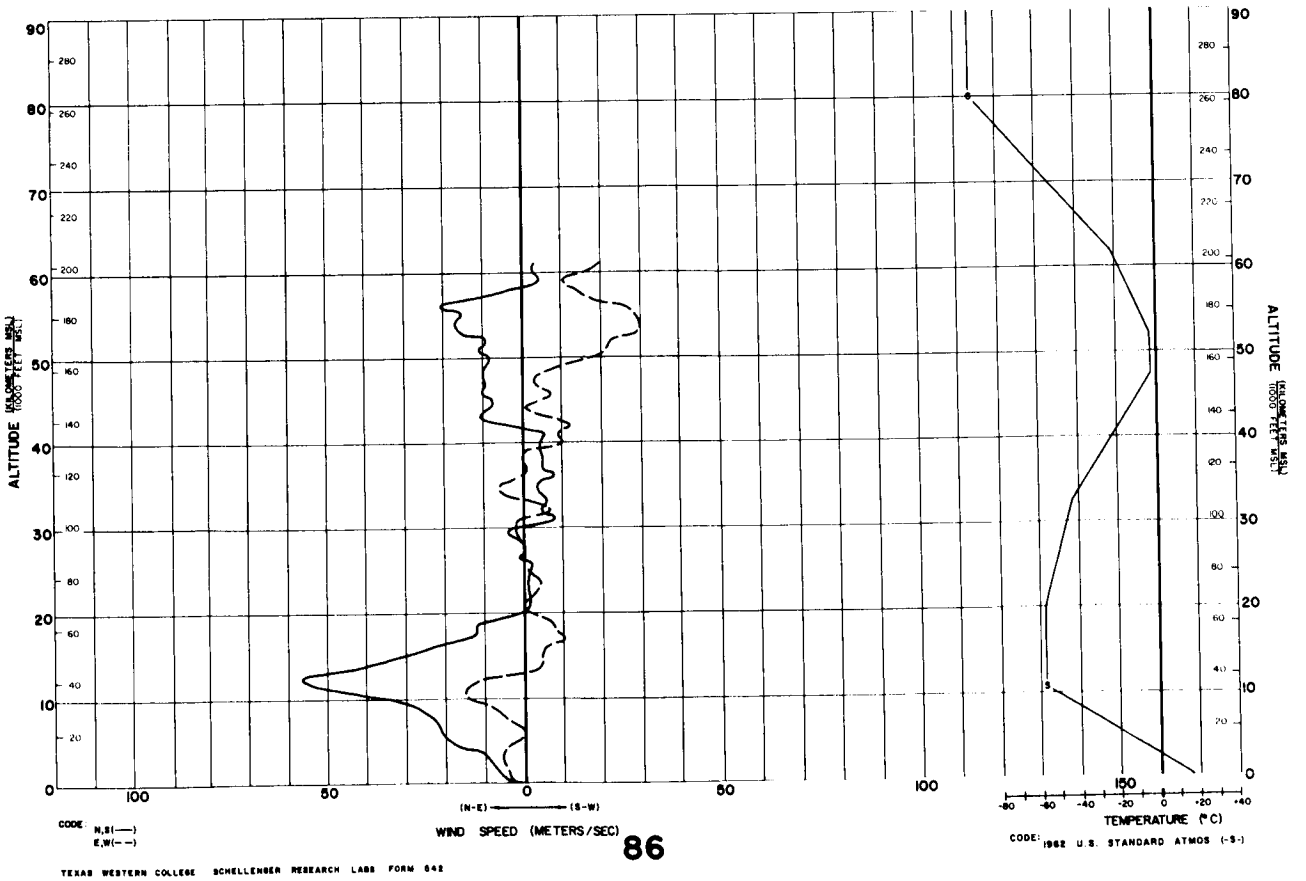


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66	02	11	0214	-03	01	04	00			00	6100	3200			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
105	6100	+003	+019										0006.6	3380				-44.0
083	6000	+003	+015										0007.0	3340	+008	+003		-44.4
057	5900	+004	+011										0012.5	2954	-004	-002		-49.6
049	5800	-003	+013										0017.0	2746	+000	+000		-49.0
044	5700	-013	+017										0019.0	2674	+000	+000		-53.5
041	5600	-021	+026										0020.0	2641	-001	+000		-53.8
039	5500	-016	+028										0026.0	2570	+002	+000		-55.7
040	5400	-017	+029										0030.0	2381	+001	+004		-57.0
037	5300	-016	+029										0070.0	1850	-012	+007		-65.0
034	5200	-009	+023										0077.0	1792	-012	+008		-65.8
041	5100	-011	+022										0091.0	1689	-016	+010		-61.0
035	5000	-008	+018										1032.0	0004	-001	-002	47	+14.1
028	4900	-009	+011										0010.0	3100	+008	+000		-46.1
027	4800	-010	+004										0050.0	2059	+001	+000		-61.0
029	4700	-009	+003										0100.0	1630	-020	+007		-62.6
031	4600	-010	+007										0150.0	1380	-039	+004		-62.4
029	4500	-008	+006										0200.0	1204	-057	-010		-64.2
029	4400	-008	+001										0250.0	1064	-041	-015		-54.5
029	4300	-011	+006										0300.0	0944	-029	-011		-45.1
023	4200	-002	+012										0400.0	0745	-023	-004	25	-28.4
022	4100	+006	+009										0500.0	0581	-021	+000	26	-15.7
021	4000	+004	+005										0700.0	0317	-010	-006	25	+00.6
021	3900	+004	+001										0850.0	0160	-007	-004	25	+04.6
022	3800	+005	+000										1000.0	0027	-004	-003	25	+11.6
022	3700	+005	+001															
020	3600	+008	+000															
018	3500	+004	-005															
017	3400	+004	-006															
016	3300	+006	+002															
014	3200	+004	+007															

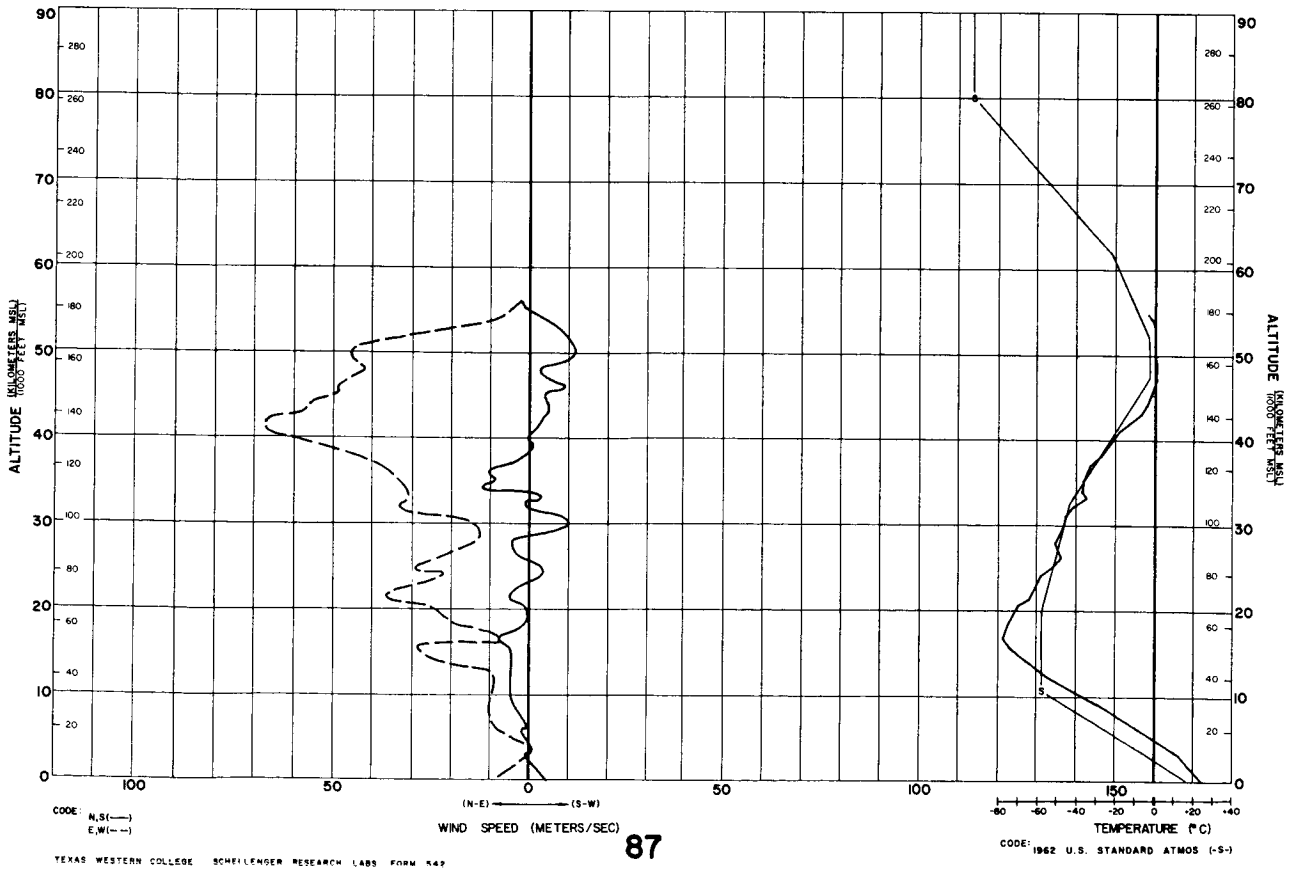


METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 11	0300	-03	01	02	12								1

ROCKET WINDS / THERMODYNAMICS / COMPOSITION / RAOB

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
120	5600	-002	-002	5450	-03.5	00.459	00.590	330					0003.6	3810				-38.3
103	5500	-001	-004	5400	-02.0	00.488	00.628	330					0004.4	3658	-018	-042		-39.1
097	5400	+003	-007	5300	-00.1	00.552	00.705	332					0005.5	3505	-005	-050		-39.9
091	5300	+007	-017	5200	+00.0	00.624	00.795	332					0006.9	3353	-002	-037		-38.1
085	5200	+009	-030	5100	-00.2	00.705	00.901	332					0008.6	3200	+004	-039		-43.3
081	5100	+011	-040	5000	-00.1	00.798	01.018	332					0010.8	3048	+015	-014		-48.7
076	5000	+012	-045	4900	+00.4	00.902	01.149	332					0013.6	2896	-003	-022		-49.2
072	4900	+009	-044	4800	+00.6	01.019	01.297	332					0017.1	2743	-010	-009		-47.7
068	4800	+003	-042	4700	+00.8	01.153	01.467	332					0021.4	2591	+002	-024		-48.0
063	4700	+005	-045	4600	-00.3	01.303	01.662	332					0027.1	2438	+004	-022		-57.4
058	4600	+009	-048	4500	-01.9	01.475	01.895	331					0044.1	2134	-005	-036		-63.5
065	4500	+004	-048	4400	-03.4	01.671	02.157	330					0073.8	1829	-001	-019		-75.5
045	4400	+005	-055	4300	-07.0	01.895	02.473	327					0125.4	1524	-005	-028		-73.7
047	4300	+005	-057	4200	-12.5	02.154	02.892	324					0206.8	1219	-005	-009	06	-53.9
045	4200	+003	-067	4100	-18.0	02.455	03.355	321					0323.9	0914	-004	-010		-29.5
042	4100	+002	-067	4000	-21.9	02.805	03.879	318					0486.6	0610	-001	-008	60	-09.3
038	4000	+000	-060	3900	-23.3	03.209	04.472	317					0709.4	0305	-001	+000	11	+12.2
035	3900	+001	-053	3800	-28.0	03.677	05.217	314					1003.8	0008	+004	-008	74	+24.1
033	3800	-001	-045	3700	-32.2	04.225	06.099	312					0010.0	3076	+012	-030		-49.3
031	3700	-005	-039	3600	-34.8	04.863	07.109	310					0050.0	2046	-001	-027		-70.1
028	3600	-010	-036	3500	-36.6	05.605	08.259	309					0100.0	1648	-007	-007		-78.8
025	3500	-008	-034	3400	-37.8	06.467	09.573	308					0500.0	0587	-002	-007	62	-07.9
024	3400	-012	-032	3300	-35.6	07.459	10.941	309					0700.0	0315	+001	+001	13	+11.6
022	3300	+003	-031	3200	-41.4	08.613	12.934	306										
021	3200	-001	-033	3100	-45.2	09.978	15.229	303										
019	3100	+007	-028	3000	-46.7	11.578	17.801	302										
016	3000	+010	-014	2800	-50.6	15.634	24.474	299										
014	2800	-004	-013	2600	-48.9	21.124	32.816	301										
011	2600	-002	-023	2450	-54.7	26.587	42.380	297										
009	2450	+004	-029															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 11	0311	-04	01	04	00			00	5800	2600			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
118	5800	-003	+023
105	5700	-009	+020
095	5600	-010	+020
091	5500	-007	+021
091	5400	-012	+030
083	5300	-011	+024
080	5200	-009	+021
080	5100	-013	+025
063	5000	-012	+024
063	4900	-013	+017
051	4800	-010	+005
047	4700	-009	+001
044	4600	-010	+001
039	4500	-010	-004
036	4400	-009	+002
036	4300	-003	+009
032	4200	+006	+010
029	4100	+008	+007
029	4000	+005	+004
025	3900	+002	+001
022	3800	+004	+005
021	3700	+004	+003
018	3600	+004	-001
017	3500	+005	-002
020	3400	+003	-001
024	3300	+003	+002
019	3200	+002	+002
017	3100	+003	+001
015	3000	+002	-001
014	2900	+001	-001
013	2800	+001	+000
013	2700	+001	-001
012	2600	+000	-002

THERMODYNAMICS

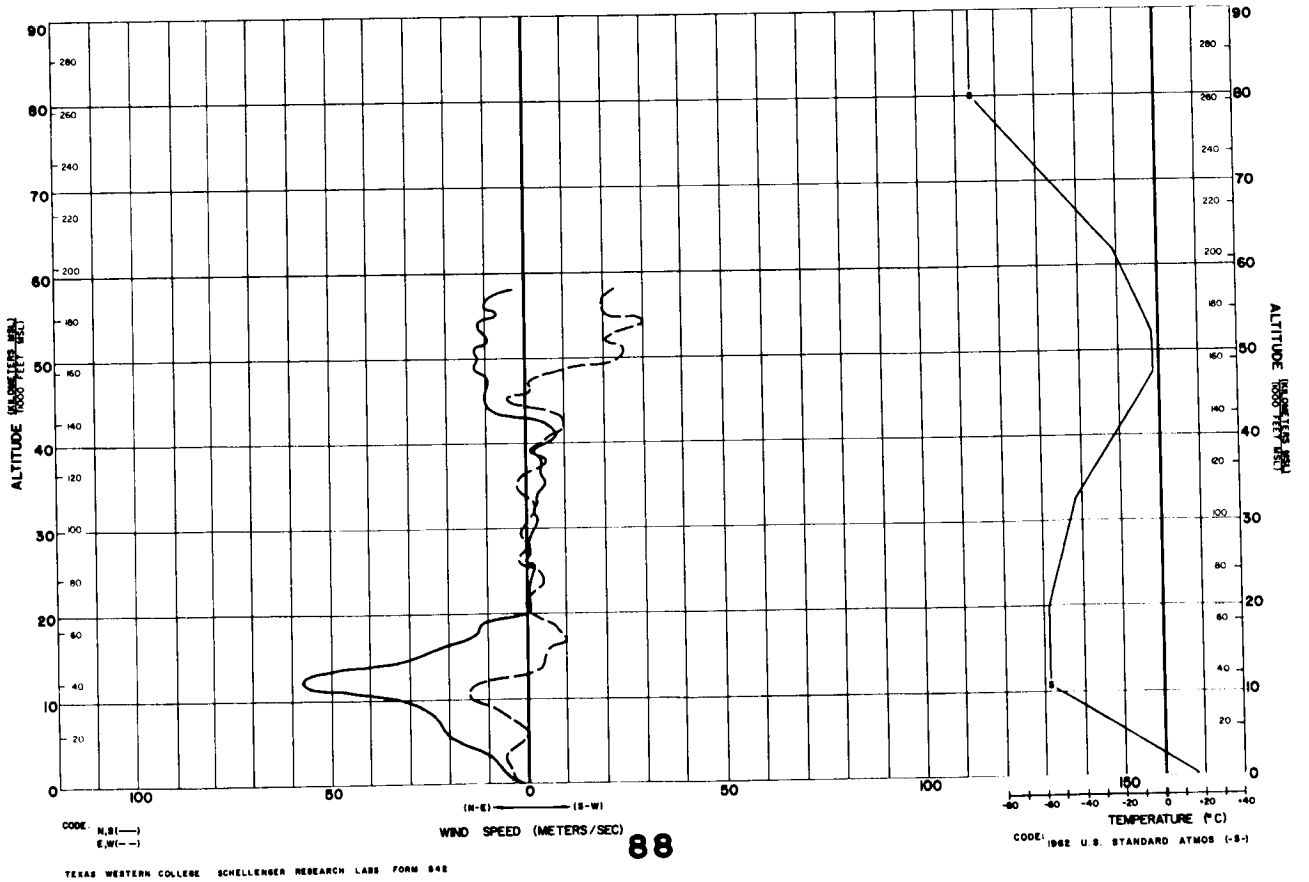
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0006.6	3380				-44.0
0007.0	3340	+008	+003		-44.4
0012.5	2954	-004	-002		-49.6
0017.0	2746	+000	+000		-49.0
0019.0	2674	+000	+000		-53.5
0020.0	2641	-001	+000		-53.8
0026.0	2570	+002	+000		-55.7
0030.0	2381	+001	+004		-57.0
0070.0	1850	-012	+007		-65.0
0077.0	1792	-012	+008		-65.8
0091.0	1689	-016	+010		-61.0
1032.0	0004	-001	-002	47	+14.1
0010.0	3100	+008	+000		-46.1
0050.0	2059	+001	+000		-61.0
0100.0	1630	-020	+007		-62.6
0150.0	1380	-039	+004		-62.4
0200.0	1204	-057	-010		-64.2
0250.0	1064	-041	-015		-54.5
0300.0	0944	-029	-011		-45.1
0400.0	0745	-023	-004	25	-28.4
0500.0	0581	-021	+000	26	-15.7
0700.0	0317	-010	-006	25	+00.6
0850.0	0160	-007	-004	25	+04.6
1000.0	0027	-004	-003	25	+11.6

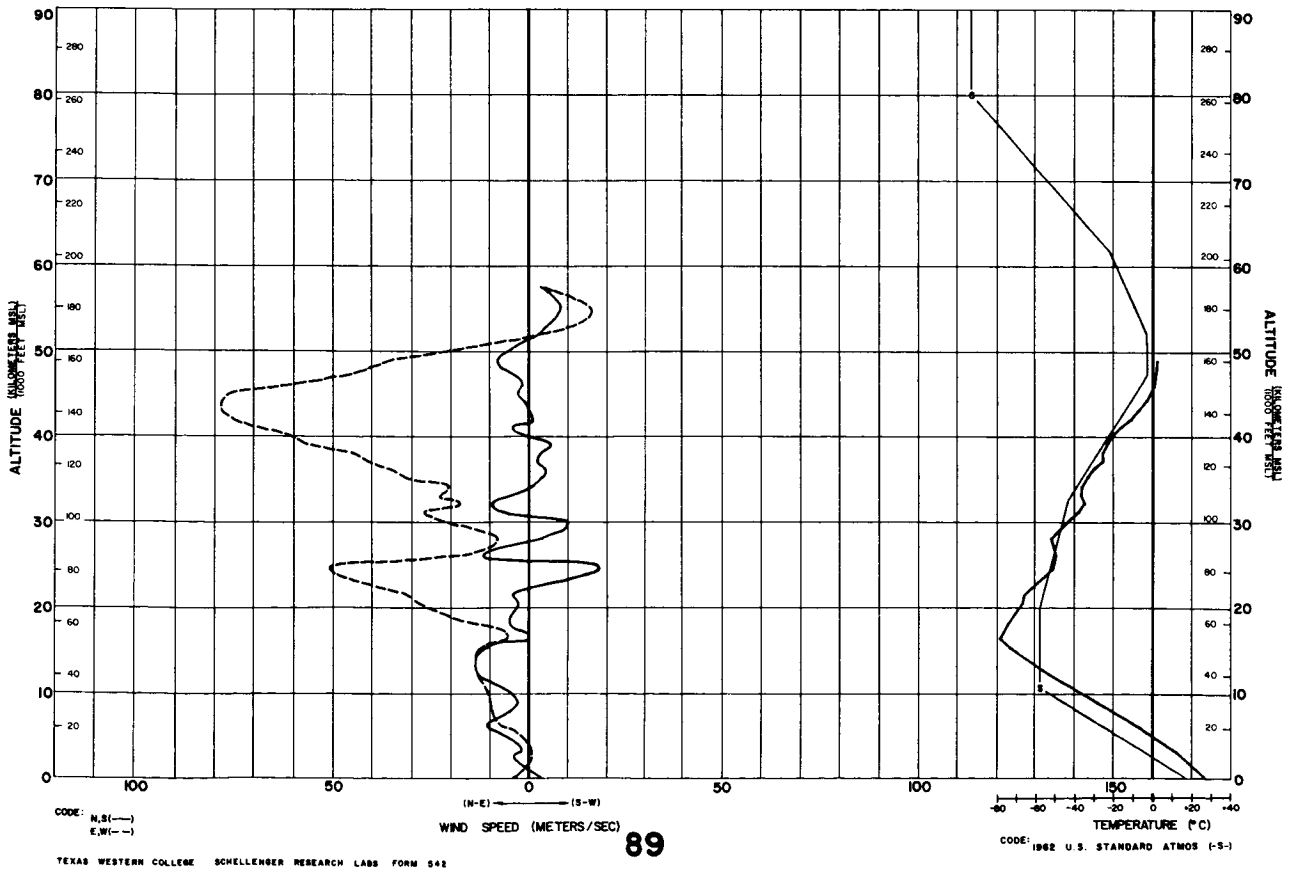


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR. ASCENSION ISLAND AFB	66 02 11	1500	-04	01	02	12			00	2450	2450			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
123	5750	+003	+004	4875	+02.0	00.966	01.223	333					0027.4	2438				-55.1
119	5700	+005	+007	4800	+01.7	01.059	01.342	333					0044.7	2134	-004	-032		-65.2
111	5600	+007	+012	4700	+01.2	01.196	01.518	332					0074.6	1829	-005	-014		-74.1
105	5500	+008	+016	4600	+00.5	01.352	01.721	332					0126.3	1524	-011	-012		-73.7
099	5400	+007	+016	4500	-00.7	01.530	01.956	331					0207.3	1219	-013	-013	19	-52.9
094	5300	+005	+011	4400	-03.0	01.732	02.235	330					0324.0	0914	-003	-010	19	-29.1
089	5200	+002	+002	4300	-06.8	01.964	02.569	328					0486.0	0610	-011	-007	26	-07.6
084	5100	-002	-008	4200	-11.1	02.232	02.962	325					0708.0	0305	-003	+001	19	+11.7
077	5000	-006	-022	4100	-15.8	02.541	03.448	322					1004.4	0008	+003	-004	62	+26.0
071	4900	-008	-034	4000	-20.8	02.901	03.993	319					0050.0	2055	-003	-028		-66.4
068	4800	-007	-041	3900	-22.2	03.316	04.602	318					0100.0	1651	+000	-006		-78.5
063	4700	-003	-049	3800	-24.6	03.795	05.313	316					0500.0	0586	-010	-005	24	-05.7
059	4600	-002	-063	3700	-25.3	04.348	06.126	316					0700.0	0314	-002	+001	19	+11.3
055	4500	-003	-075	3600	-30.1	04.989	07.150	313										
052	4400	-001	-078	3500	-32.7	05.735	08.313	311										
048	4300	+000	-078	3400	-35.8	06.606	09.695	309										
044	4200	+001	-075	3300	-36.3	07.616	11.203	309										
040	4100	-004	-068	3200	-35.1	08.780	12.863	310										
037	4000	+000	-061	3100	-38.6	10.130	15.055	307										
034	3900	+006	-057	3000	-43.7	11.721	17.785	304										
032	3800	+003	-045	2800	-52.2	15.816	24.920	298										
031	3700	+002	-041	2600	-49.4	21.455	33.420	300										
028	3600	+004	-035	2450	-51.4	26.937	42.301	299										
026	3500	+003	-032															
023	3400	+001	-021															
021	3300	-004	-023															
020	3200	-009	-018															
019	3100	-006	-027															
017	3000	+010	-021															
013	2800	+003	-008															
011	2600	-012	-019															
009	2450	+018	-051															

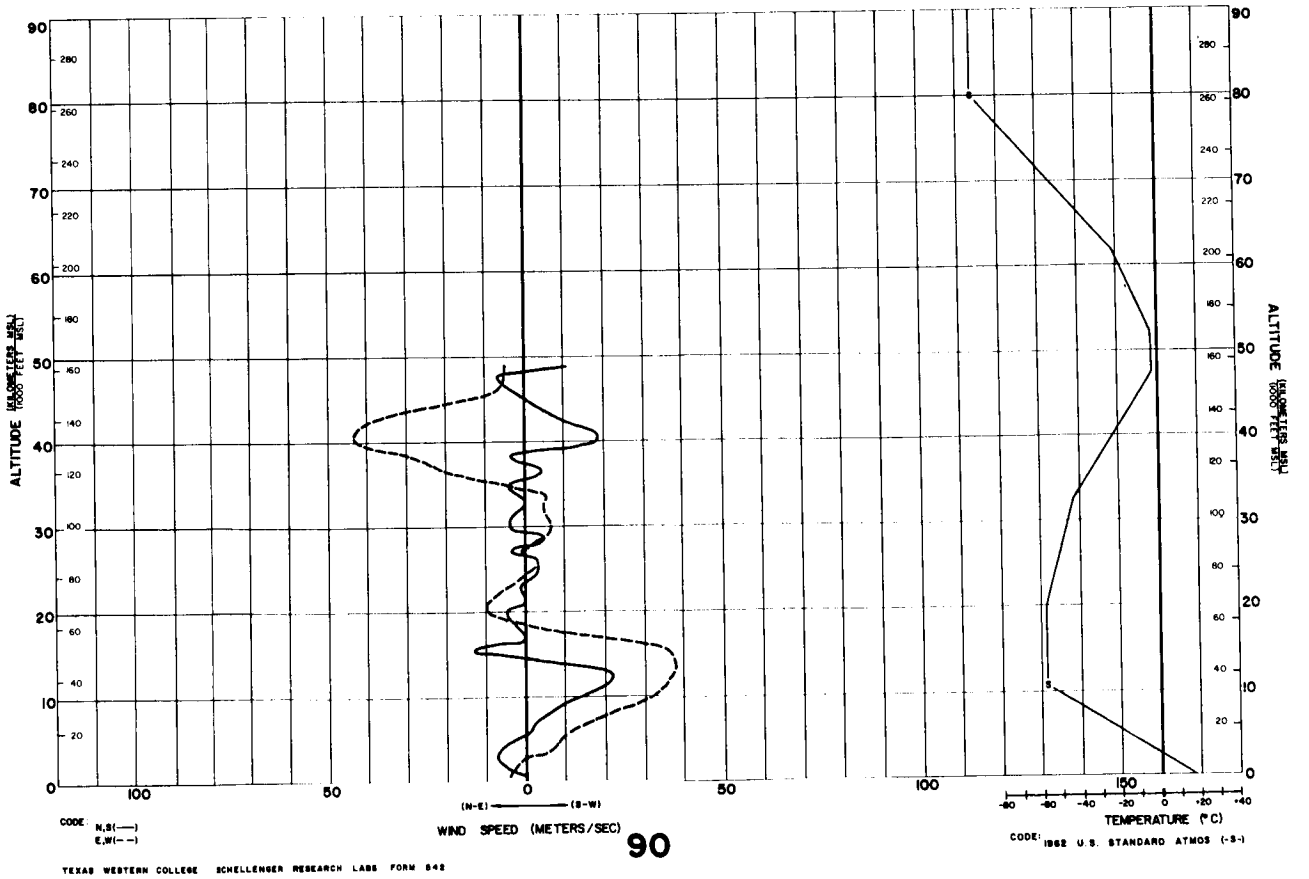


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11503	HARP, SEAWELL, WEST INDIES	66 02 11	1600	-04	18	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
057	4895	+011	-004											1524	-013	+035		
052	4732	-007	-005											1219	+022	+037		
044	4523	-001	-010											0914	+010	+028		
042	4266	+009	-038											0610	+002	+012		
036	4033	+018	-043											0305	-007	+002		
034	3826	-003	-030										1011.0	0049	+000	-004	80	+24.5
028	3641	+004	-020										0050.0	2069	-003	-003		-65.3
025	3481	-004	-004										0100.0	1657	+000	+024		-76.9
023	3336	-001	+006										0500.0	0584	+002	+007	47	-09.2
020	3208	-001	+005										0700.0	0317	-007	+004	61	+05.2
018	3096	-003	+006															
019	2986	-003	+007															
016	2882	+005	+005															
015	2791	+002	+002															
013	2708	-003	-001															
013	2631	+002	+002															
013	2552	+003	+003															
012	2443	+003	+001															
009	2318	-001	-003															
009	2206	-001	-007															
008	2099	+000	-009															
007	2004	-004	-009															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 11	1713	+00	06	01	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
027	5200	+004	+010
029	5100	+010	+013
028	5000	+015	+018
026	4900	+012	+021
027	4800	+009	+023
025	4700	+017	+028
022	4600	+020	+027
023	4500	+021	+029
020	4400	+015	+027
019	4300	+009	+032
020	4200	+010	+042
017	4100	+012	+039
017	4000	+010	+033
015	3900	+011	+032
017	3800	+010	+034
015	3700	+007	+031
014	3600	+006	+031
014	3500	+008	+026
014	3400	+011	+023
014	3300	+008	+022
012	3200	+006	+023
012	3100	+007	+025
013	3000	+007	+026
012	2900	+007	+022
011	2800	+006	+017
010	2700	+004	+014
010	2600	+003	+012
009	2500	+000	+007
009	2400	-005	+004
009	2300	-006	+005
008	2200	-003	+006
008	2100	-001	+006

THERMODYNAMICS

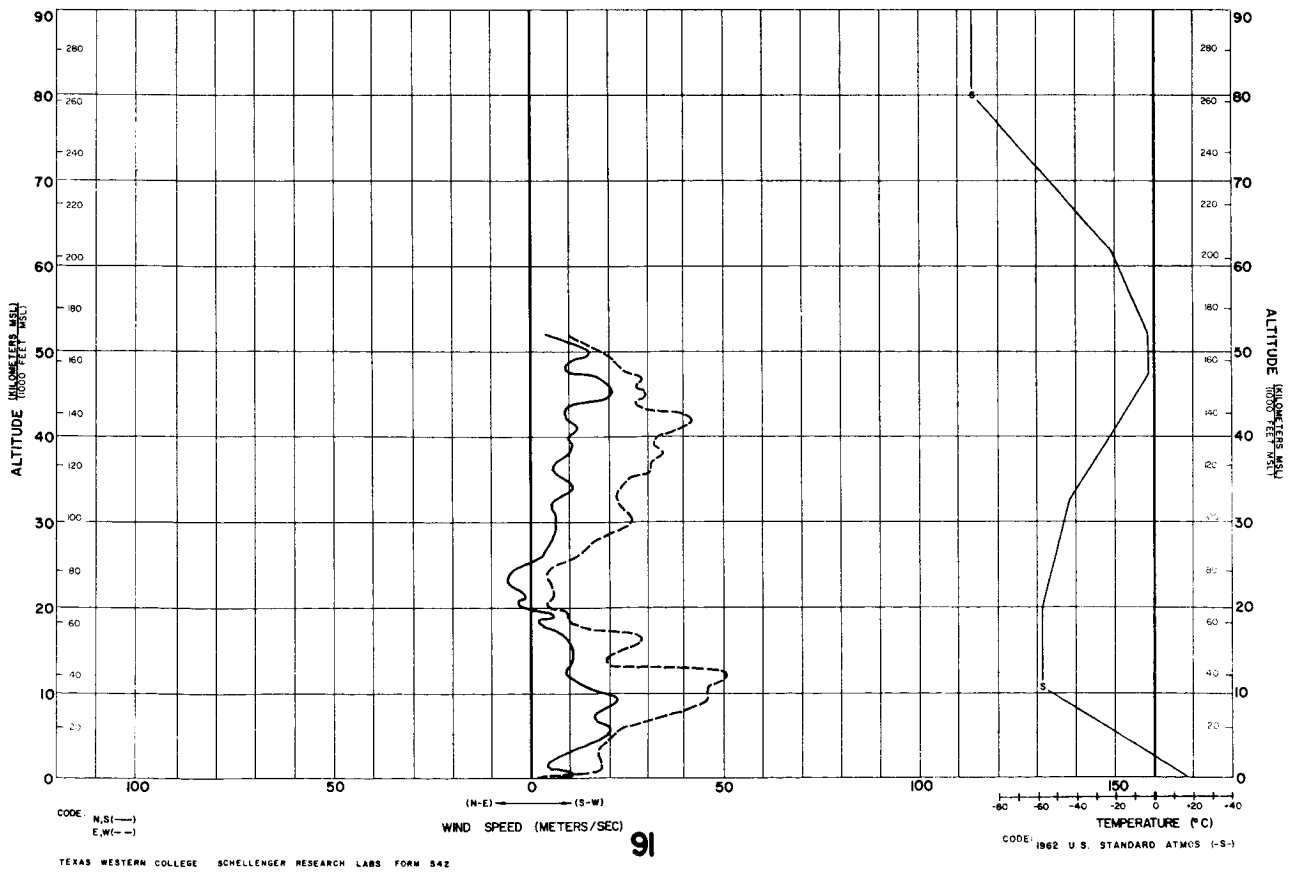
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.5	3197	+009	+028		-45.4
0020.0	2635	+003	+011		-56.1
0027.0	2446	-003	+004		-59.5
0030.0	2379	-003	+004		-60.1
0066.0	1891	+006	+010		-64.7
0070.0	1852	+002	+010		-64.4
1021.3	0000	+007	+002	100	+05.0
0010.0	3088	+010	+029		-48.0
0050.0	2060	-003	+004		-63.0
0100.0	1632	+009	+028		-62.5
0150.0	1383	+011	+019		-63.1
0200.0	1206	+009	+051		-63.7
0250.0	1065	+015	+046		-51.3
0300.0	0943	+022	+046		-40.4
0400.0	0741	+016	+035	46	-26.2
0500.0	0575	+020	+023	55	-15.2
0700.0	0313	+011	+017	85	-02.0
0850.0	0155	+004	+018	64	+09.4
1000.0	0018	+011	+008	100	+14.0

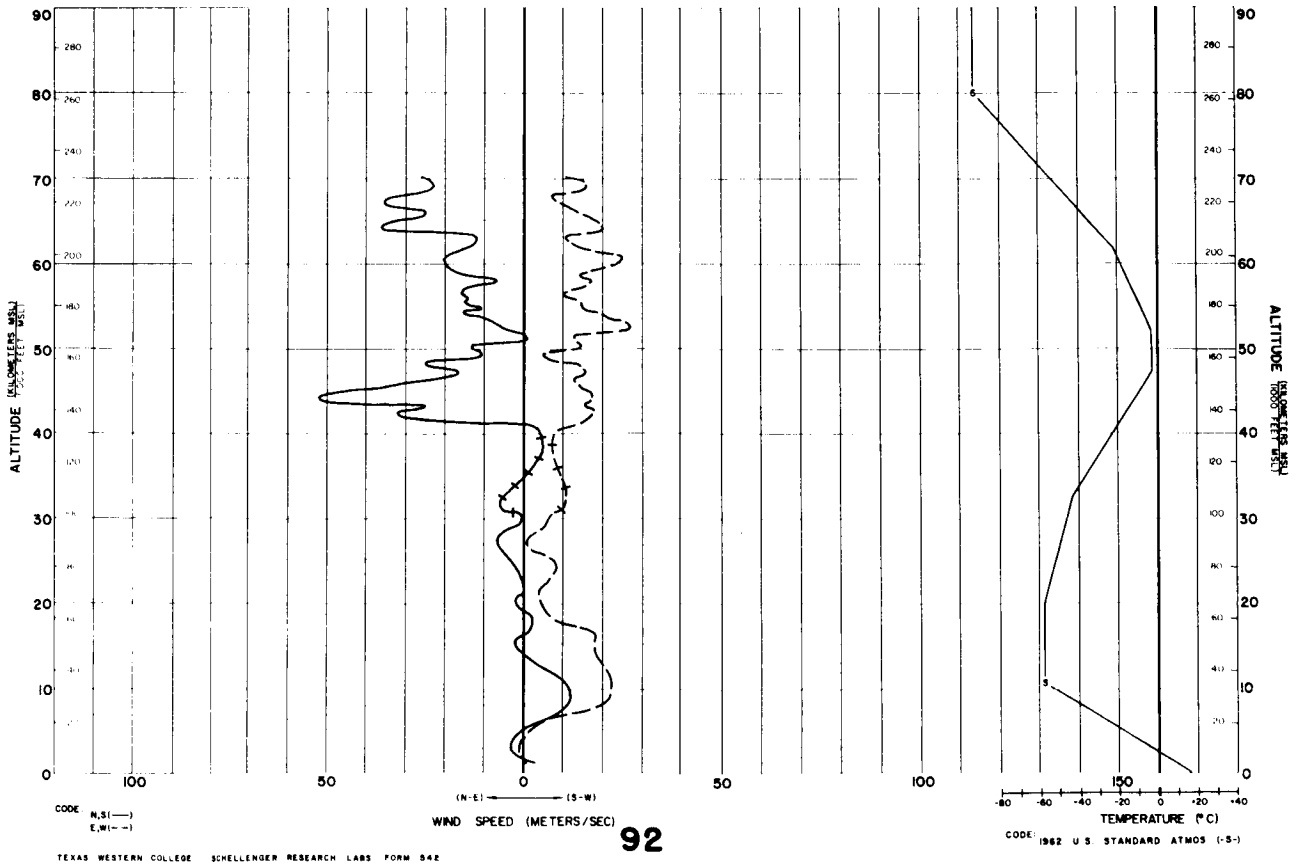


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 11	1811	-04	20	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
041	7010	-026	+011										0010.7	3048	-001	+007		-51.7
036	6896	-023	+016										0013.5	2896	-003	+005		-55.7
025	6805	-030	+008										0017.1	2743	-007	+001		-55.6
036	6713	-035	+009										0021.7	2591	-005	+004		-58.4
024	6587	-025	+014										0027.6	2438	-002	+008		-58.5
025	6439	-036	+020										0044.6	2134	+000	+004		-57.9
022	6299	-012	+011										0071.9	1829	+002	+007		-57.9
017	6183	-016	+016										0116.2	1524	-002	+018		-55.8
018	6078	-020	+025										0185.5	1219	+006	+021		-50.3
016	5976	-019	+020										0294.0	0914	+012	+022		-47.1
015	5883	-014	+014										0461.5	0610	+004	+005	77	-33.5
012	5800	-007	+017										0697.0	0305	-003	-001	67	-10.3
010	5735	-014	+015										0879.6	0122	+003	+001	77	-01.6
011	5672	-016	+011										0010.0	3075	-003	+008		-51.5
012	5604	-014	+012										0050.0	2054	-002	+004		-54.9
010	5540	-015	+014										0100.0	1616	+000	+018		-57.9
012	5476	-011	+015										0500.0	0552	+002	+003	79	-28.7
008	5418	-015	+018										0700.0	0301	-003	-001	68	-10.2
013	5357	-009	+022															
010	5259	-006	+027															
010	5139	+001	+013															
007	5038	-013	+014															
010	4936	-011	+005															
009	4822	-025	+009															
008	4721	-017	+016															
006	4638	-027	+013															
008	4557	-034	+014															
015	4420	-052	+017															
002	4319	-025	+016															
008	4261	-032	+018															
011	4148	-016	+016															
002	4080	+003	+010															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	PP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 11	1857	-08	03	02	99								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
068	4846	+016	+023
066	4724	+014	+018
058	4572	+014	+013
046	4420	+013	+003
045	4267	+008	-005
040	4115	+004	-010
036	3962	-006	-009
030	3810	-003	+003
025	3658	+001	+006
022	3505	-005	+010
019	3353	+007	-002
017	3200	+007	-001
015	3048	+003	+010
013	2896	+004	+002
011	2743	+001	-005
010	2591	+002	+000
009	2438	+002	-005

THERMODYNAMICS

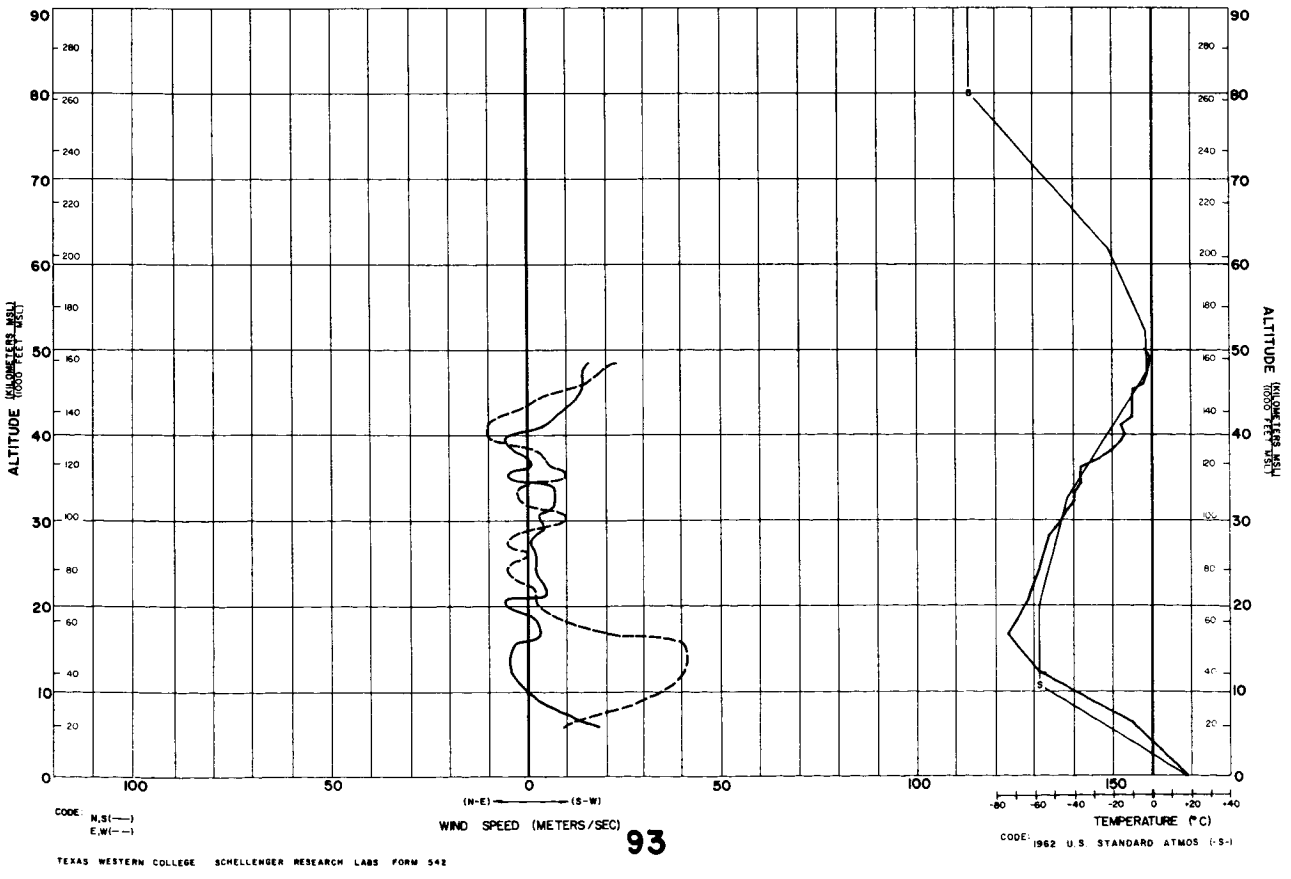
A MSL	TDC	PMB	D	SOS
5000	-04.4	00.798	01.034	329
4900	-01.3	00.903	01.158	331
4800	-01.4	01.022	01.310	331
4700	-03.0	01.157	01.492	330
4600	-04.1	01.310	01.697	329
4500	-09.9	01.487	01.967	326
4400	-10.6	01.689	02.242	325
4300	-10.4	01.920	02.546	325
4200	-10.8	02.182	02.898	325
4100	-15.8	02.484	03.360	322
4000	-14.3	02.830	03.808	323
3900	-15.9	03.224	04.366	322
3800	-21.0	03.679	05.084	319
3700	-27.7	04.213	05.979	314
3600	-36.1	04.844	07.119	309
3500	-35.9	05.583	08.199	309
3400	-36.3	06.436	09.467	309
3300	-40.4	07.430	11.122	306
3200	-40.0	08.588	12.832	306
3100	-43.5	09.936	15.073	304
3000	-46.1	11.518	17.674	302
2800	-53.4	15.585	24.707	298
2600	-54.7	21.206	33.819	297
2400	-56.8	28.900	46.537	295

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.6	3200	+001	-008		-44.2
0010.8	3048	+003	+004		-47.5
0013.6	2896	+001	+000		-52.3
0017.2	2743	-001	-007		-53.5
0021.8	2591	+001	+001		-55.1
0027.6	2438	+006	+002		-56.7
0044.7	2134	+005	+002		-62.0
0073.6	1829	+002	+009		-68.7
0123.5	1524	-003	+041		-70.3
0203.3	1219	-004	+041	55	-58.0
0321.1	0914	+002	+031	57	-33.1
0485.0	0610	+015	+011	34	-09.5
0711.9	0305			36	+05.2
1024.9	0000	+004	-001	88	+18.3
0010.0	3079	+001	+003		-45.1
0050.0	2053	-006	+002		-62.6
0100.0	1642	+003	+024		-74.2
0500.0	0584	+018	+009	34	-09.2
0700.0	0318			35	+04.5



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 11	2012	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
093	5400	+010	-012
081	5139	+016	-014
066	4919	+008	-020
062	4727	+004	-018
051	4482	-004	-020
041	4206	-011	-028
034	3981	-007	-021
030	3791	-011	-020
026	3624	-018	-019
023	3478	-014	-005
022	3344	-011	-011
020	3220	-014	-004
017	3110	-009	-006
016	3011	-010	+004
014	2921	-010	+000
015	2834	-008	+005
013	2751	-008	+004
012	2678	-009	+008
011	2610	-005	+010
010	2519	-005	+008
008	2414	+002	+009
009	2313	-004	+015
008	2214	+003	+018
007	2129	-002	+019
007	2050	-001	+019
006	1976	-001	+019
005	1913	+002	+017
005	1852	-004	+021

THERMODYNAMICS

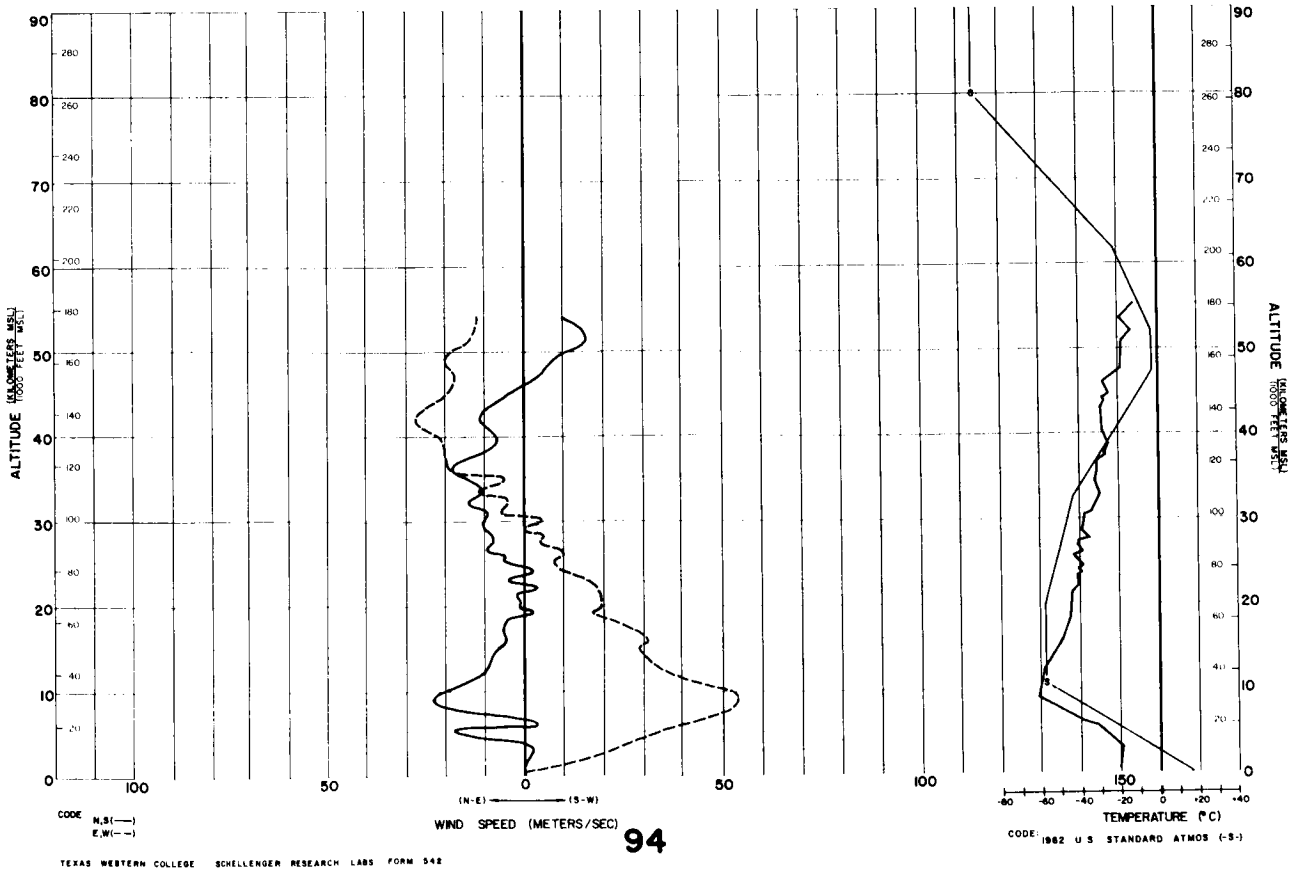
A MSL	TDC	PMB	D	SOS
5494	-12.6	00.404	00.540	324
5362	-19.0	00.480	00.658	320
5200	-14.0	00.594	00.797	323
5073	-17.9	00.701	00.956	320
4969	-18.6	00.804	01.100	320
4758	-18.3	01.062	01.452	320
4670	-24.1	01.195	01.671	316
4598	-27.6	01.318	01.869	314
4450	-24.6	01.613	02.260	316
4409	-27.8	01.705	02.421	314
4378	-26.8	01.779	02.516	315
4281	-29.4	02.033	02.906	313
4020	-28.0	02.915	04.141	314
3845	-25.5	03.704	05.210	315
3751	-27.1	04.212	05.963	314
3715	-26.6	04.425	06.252	315
3642	-31.6	04.896	07.060	312
3518	-31.1	05.822	08.378	312
3428	-32.9	06.604	09.576	311
3253	-30.1	08.436	12.092	313
3071	-34.0	10.891	15.864	310
3040	-37.6	11.383	16.835	308
2848	-39.0	15.012	22.335	307
2771	-35.3	16.766	24.556	309
2729	-40.2	17.811	26.634	306
2671	-40.9	19.380	29.069	306
2585	-39.0	21.960	32.671	307
2558	-43.0	22.843	34.575	304
2488	-41.5	25.315	38.069	305
2415	-37.9	28.145	41.678	307
2394	-40.7	29.016	43.485	306
2366	-39.0	30.221	44.962	307
2340	-42.1	31.388	47.326	305
2211	-41.1	37.918	56.924	305

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0005.6	3505	-014	-003		-39.8
0007.0	3353	-015	-005		-40.1
0008.8	3200	-012	+004		-40.2
0011.0	3048	-014	+011		-40.9
0013.8	2896	-006	+006		-41.3
0017.2	2743	+000	+004		-42.0
0021.5	2591	+000	+020		-42.3
0027.1	2438	-003	+026		-42.9
0042.3	2134	-003	+023		-43.6
0066.9	1829	+001	+028		-45.1
0105.8	1524	-006	+029		-50.3
0170.8	1219	-010	+036		-58.1
0279.7	0914	-023	+053		-61.1
0445.3	0610	+003	+041		-38.8
0681.0	0305	+002	+022	92	-19.2
0967.8	0040	+000	+000	72	-19.5
0010.0	3110	-014	-005		-40.6
0050.0	2023	-007	+025		-43.9
0100.0	1561	-005	+031		-49.3
0500.0	0529	-018	+035	86	-32.5
0700.0	0285	+002	+019	91	-18.7



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE (Y M D)	TIME (Z)	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 11	2211	+02	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
074	4900	+007	+027
067	4800	+010	+018
063	4700	+008	+015
059	4600	+008	+017
057	4500	+007	+018
056	4400	+004	+022
050	4300	+006	+025
047	4200	+011	+023
044	4100	+014	+022
039	4000	+014	+013
037	3900	+007	+007
036	3800	+003	+006
036	3700	-003	+007
030	3600	-003	+007
029	3500	-002	+008
026	3400	+000	+008
025	3300	+003	+008
021	3200	+002	+008
018	3100	+000	+007
017	3000	+003	+005
017	2900	+004	+005
014	2800	+004	+006
013	2700	+002	+004
013	2600	+000	+004
011	2500	+001	+005
010	2400	+002	+005
008	2300	+003	+003
008	2200	+001	+001
007	2100	+000	+002
007	2000	+001	+001
007	1900	-002	+002

THERMODYNAMICS

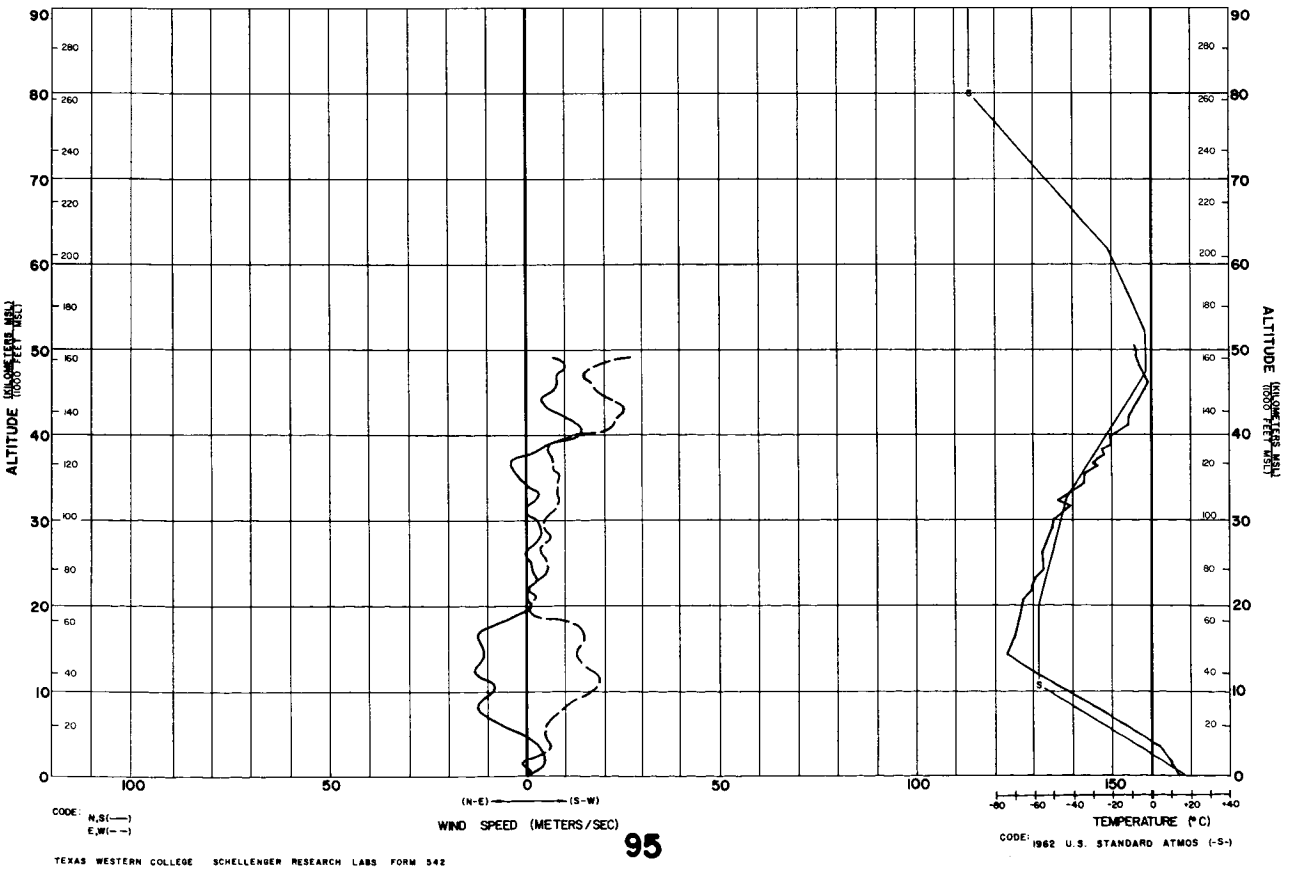
A MSL	TDC	PMB	D	SOS
5041	-09.0	00.754	00.994	326
5000	-07.7	00.794	01.041	326
4900	-06.8	00.901	01.178	327
4800	-06.3	01.022	01.333	327
4700	-03.6	01.159	01.497	329
4600	-01.2	01.313	01.681	330
4500	-02.8	01.486	01.914	329
4400	-05.7	01.684	02.193	328
4300	-08.5	01.912	02.516	326
4200	-11.3	02.173	02.890	324
4100	-11.8	02.471	03.293	324
4000	-17.9	02.816	03.842	320
3962	-21.0	02.968	04.099	318
3900	-20.6	03.218	04.438	319
3862	-20.4	03.396	04.679	319
3800	-24.8	03.681	05.141	316
3749	-23.6	03.953	05.517	316
3700	-26.5	04.217	05.955	315
3648	-29.7	04.530	06.481	313
3600	-27.5	04.839	06.861	314
3500	-33.7	05.561	08.089	310
3400	-34.0	06.405	09.328	310
3300	-41.6	07.405	11.138	305
3200	-47.5	08.585	13.251	301
3146	-41.8	09.310	14.016	305
3100	-43.9	09.949	15.115	303
3000	-48.6	11.548	17.912	300
2900	-50.6	13.436	21.028	299
2800	-52.3	15.652	24.684	298
2700	-54.0	18.255	29.013	297
2600	-55.0	21.319	34.038	296
2500	-54.8	24.900	39.719	296
2400	-54.7	29.082	46.368	296
2300	-58.9	34.062	55.373	293
2200	-61.0	39.974	65.627	292
2164	-61.2	42.520	69.873	291

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0012.0	2977	+001	+002		-52.3
0014.0	2875	+001	+006		-50.0
0020.0	2641	+001	+002		-53.5
0027.0	2446	+000	+005		-56.5
0030.0	2381	+001	+007		-58.0
0070.0	1856	-004	+007		-67.7
1031.0	0004	+000	+000	35	+14.9
0010.0	3097				-48.0
0050.0	2062	+004	-001		-65.5
0100.0	1642	-012	+015		-69.9
0150.0	1398	-011	+013		-73.4
0200.0	1224	-013	+017		-61.0
0250.0	1082	-008	+018		-48.9
0300.0	0958	-010	+014	10	-38.6
0400.0	0755	-012	+008	28	-23.9
0500.0	0588	-006	+005	10	-12.4
0700.0	0321	+003	+006	11	+04.2
0850.0	0161	+004	-001	10	+10.0
1000.0	0026	+001	+001	40	+12.8



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13601	KINDLEY AFB, BERMUDA	66 02 11	2319	+01	01	02	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
077	4700	+001	+025
069	4600	+003	+019
067	4500	+004	+018
065	4400	+007	+024
061	4300	+009	+022
057	4200	+007	+023
051	4100	+012	+025
048	4000	+015	+018
047	3900	+009	+007
043	3800	+005	+004
037	3700	+001	+006
038	3600	-002	+007
033	3500	+004	+007
028	3400	+004	+008
028	3300	-001	+010
025	3200	-002	+010
024	3100	+001	+006
021	3000	+001	+003
019	2900	+001	+003
018	2800	+002	+004
016	2700	+002	+003
015	2600	+001	+003
014	2500	-001	+004
014	2400	+000	+005
012	2300	+003	+004
011	2200	+003	+002

THERMODYNAMICS

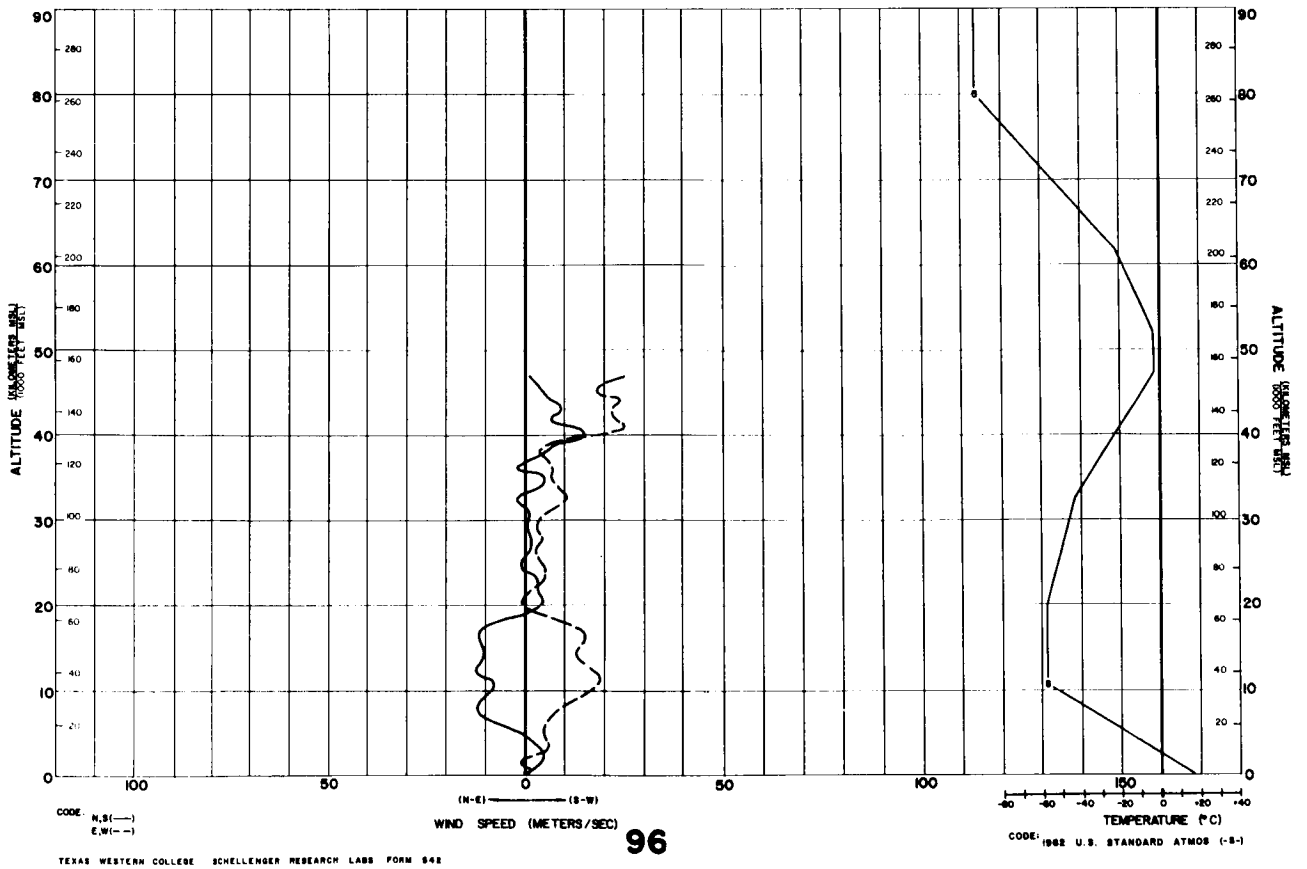
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0012.0	2977	+001	+002		-52.3
0014.0	2875	+001	+006		-50.0
0020.0	2641	+001	+002		-53.5
0027.0	2446	+000	+005		-56.5
0030.0	2381	+001	+007		-58.0
0070.0	1856	-004	+007		-67.7
1031.0	0004	+000	+000	35	+14.9
0010.0	3097				-48.0
0050.0	2062	+004	-001		-65.5
0100.0	1642	-012	+015		-69.9
0150.0	1398	-011	+013		-73.4
0200.0	1224	-013	+017		-61.0
0250.0	1082	-008	+018		-48.9
0300.0	0958	-010	+014	10	-38.6
0400.0	0755	-012	+008	28	-23.9
0500.0	0588	-006	+005	10	-12.4
0700.0	0321	+003	+006	11	+04.2
0850.0	0161	+004	-001	10	+10.0
1000.0	0026	+001	+001	40	+12.8



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TP	RT	WS	TS	PP	IJ	QD	WHT	WHR	THT	THR	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 14	1500	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
123	5775	+009	+008
118	5700	+010	+010
112	5600	+009	+012
105	5500	+005	+012
098	5400	-001	+011
092	5300	-011	+007
087	5200	-017	+004
082	5100	-017	-001
077	5000	-013	-009
072	4900	-007	-024
067	4800	-004	-038
063	4700	-002	-051
059	4600	+002	-059
055	4500	+004	-065
050	4400	+006	-071
047	4300	+003	-071
044	4200	+002	-066
041	4100	+006	-062
038	4000	+003	-056
035	3900	+011	-050
032	3800	+010	-041
029	3700	+008	-039
027	3600	+012	-029
025	3500	+008	-022
024	3400	-001	-015
021	3300	-002	-014
020	3200	-008	-012
018	3100	-002	-016
016	3000	+002	-010
013	2800	-001	+005
011	2600	-003	-017
009	2475	-001	-025

THERMODYNAMICS

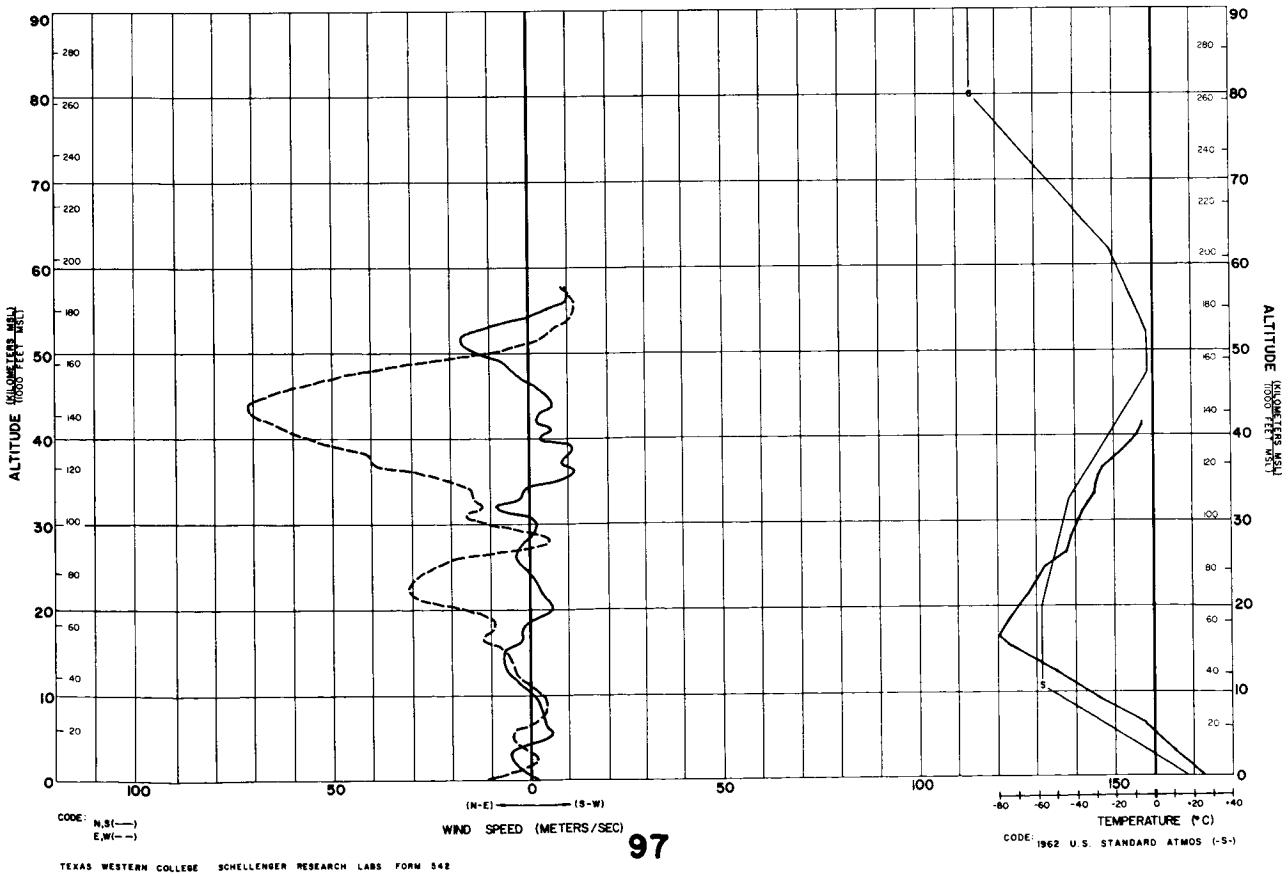
A MSL	TDC	PMB	D	SOS
4150	-05.5	02.565	03.340	328
4100	-06.0	02.732	03.562	328
4000	-08.1	03.100	04.084	327
3900	-11.9	03.524	04.689	324
3800	-15.9	04.014	05.428	322
3700	-21.1	04.583	06.351	319
3600	-26.3	05.248	07.399	315
3500	-28.0	06.020	08.551	314
3400	-30.1	06.912	09.901	313
3300	-30.3	07.942	11.393	313
3200	-33.1	09.134	13.253	311
3100	-36.1	10.524	15.469	309
3000	-37.7	12.139	17.939	308
2800	-41.7	16.228	24.422	305
2600	-43.8	21.732	33.062	304
2450	-54.8	27.284	43.592	297

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0011.2	3048	+001	-012		-42.2
0014.0	2896	-002	-011		-43.2
0017.5	2743	-009	-002		-43.2
0022.0	2591	-001	-020		-50.4
0027.8	2438	+006	-023		-56.3
0045.3	2134	+004	-028		-64.4
0075.3	1829	-001	-009		-74.2
0127.7	1524	-006	-007		-74.3
0208.8	1219	-005	-003	20	-50.3
0325.3	0914	+002	+004	19	-28.5
0487.8	0610	+004	-001	19	-05.2
0710.6	0305	-005	+001	26	+09.6
1006.5	0008	+002	-011	70	+24.8
0010.0	3104	+000	-014		-41.4
0050.0	2063	+006	-022		-67.8
0100.0	1657	-002	-012		-79.1
0500.0	0588	+005	-003	19	-04.0
0700.0	0317	-005	+000	27	+08.9



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66	02	14	1500	-02	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
085	5364	+002	+047
084	5334	+002	+045
078	5182	+001	+033
070	5029	-001	+015
064	4877	-013	+011
058	4724	-009	+012
052	4572	-009	+004
047	4420	-014	-005
043	4267	-010	-007
038	4115	-009	-011
035	3962	-009	-009
031	3810	-008	-007
028	3658	-005	-007
025	3505	-001	-004
022	3353	-002	-003
019	3200	-001	-008
017	3048	+004	-005
014	2896	+008	-001
012	2743	+003	+002
010	2591	+007	-006
008	2438	+004	-009
007	2347	-002	-001

THERMODYNAMICS

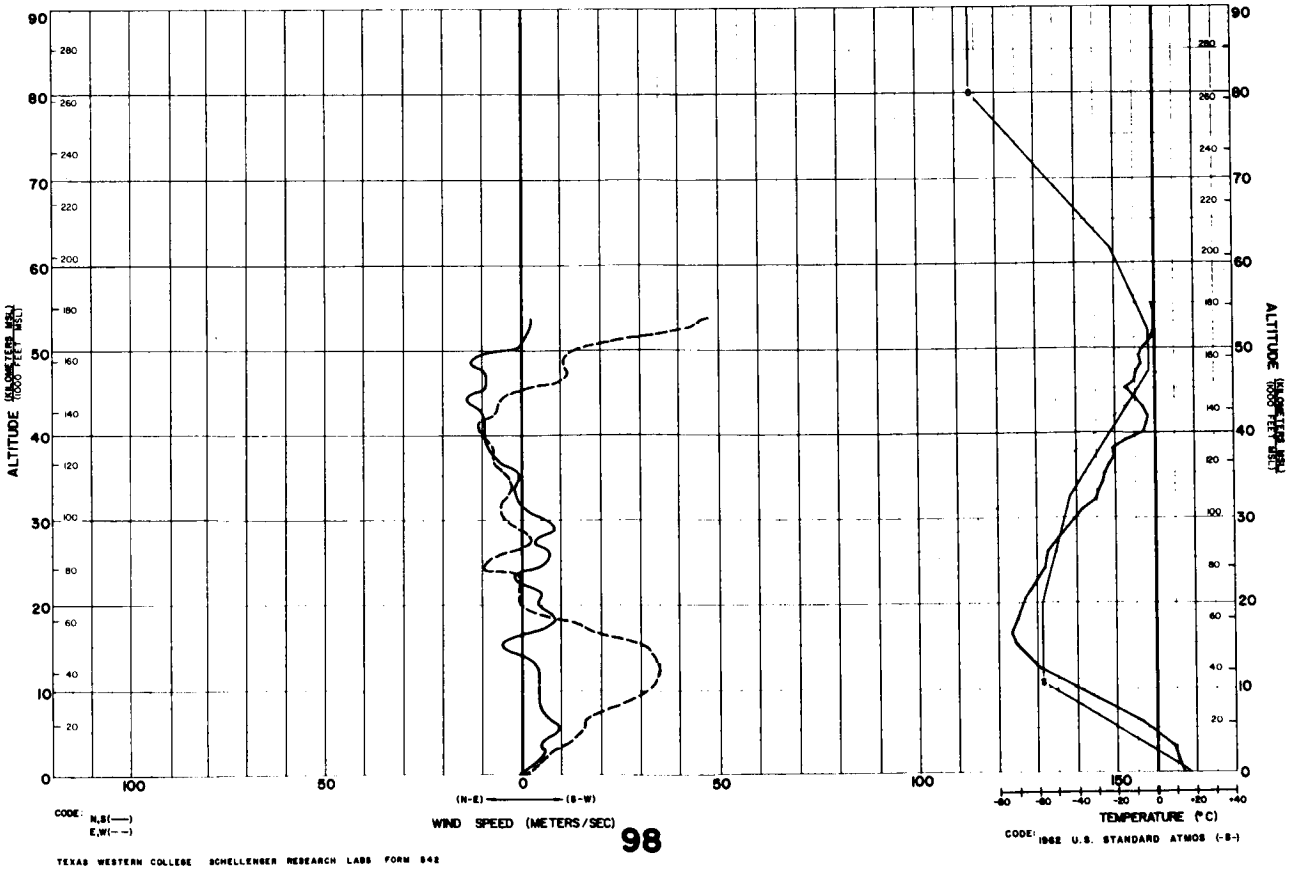
A MSL	TDC	PMB	D	SOS
5500	-01.9	00.456	00.586	331
5400	-00.6	00.516	00.660	331
5300	-00.5	00.584	00.746	331
5200	-00.5	00.660	00.844	331
5100	-02.4	00.747	00.961	330
5000	-06.5	00.846	01.106	328
4900	-08.3	00.960	01.263	327
4800	-07.3	01.089	01.428	327
4700	-09.5	01.237	01.634	326
4600	-10.8	01.405	01.866	325
4500	-15.0	01.599	02.158	322
4400	-10.0	01.819	02.408	326
4300	-06.6	02.065	02.699	328
4200	-04.6	02.341	03.037	329
4100	-05.3	02.654	03.452	328
4000	-07.2	03.011	03.944	327
3900	-15.1	03.423	04.622	322
3800	-21.7	03.907	05.413	318
3700	-20.8	04.466	06.165	319
3600	-24.7	05.109	07.163	316
3500	-26.5	05.854	08.268	315
3400	-27.8	06.713	09.532	314
3300	-29.6	07.706	11.023	313
3200	-30.7	08.853	12.721	313
3100	-37.1	10.194	15.045	308
3000	-40.6	11.773	17.637	306
2800	-48.3	15.773	24.438	301
2600	-55.1	21.398	34.187	296
2400	-56.9	29.250	47.122	295

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.9	3050				-43.5
0013.6	2900	+005	-001		-45.5
0017.0	2750	+001	-002		-49.0
0021.4	2600	+006	-009		-55.7
0026.1	2425	-001	-009		-56.8
0045.4	2125	+005	-001		-64.7
0074.6	1825	+008	+011		-70.7
0123.8	1525	-005	+030		-72.4
0202.8	1225	+004	+035	26	-58.2
0317.4	0925	+004	+028	48	-32.6
0491.6	0600	+008	+016	39	-08.6
0714.4	0300	+006	+008	29	+08.5
1020.0	0000	-001	+001	87	+13.1
0010.0	3084				-42.0
0050.0	2055	+004	-001		-67.3
0100.0	1643	+000	+021		-73.7
0500.0	0585	+009	+016	37	-07.8
0700.0	0316	+005	+089	29	+07.1

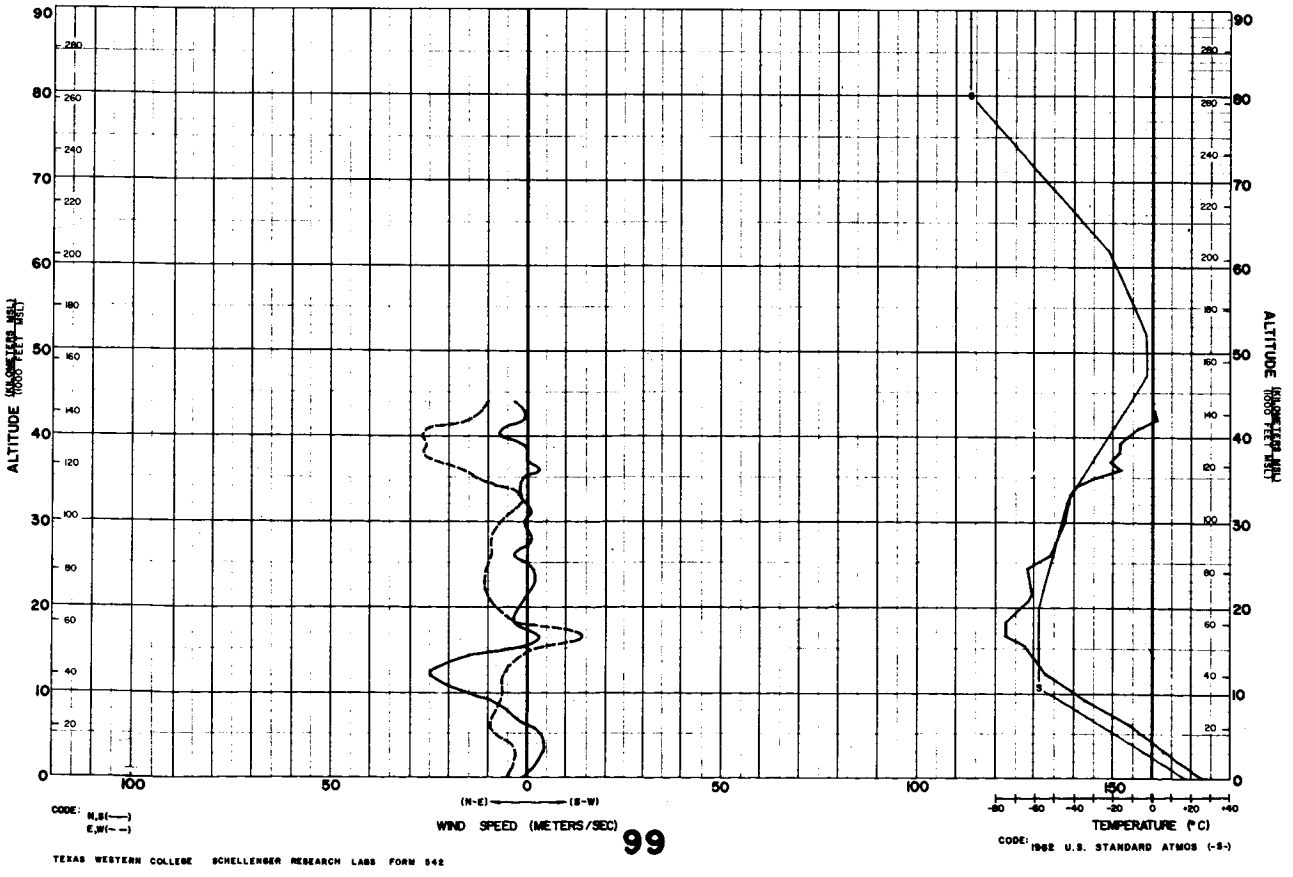


TEXAS WESTERN COLLEGE SCHELLENBERGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	GD	WMT	WMB	TMT	TMB	C
11604	AFETR, ANTIGUA AFB	66 02 14	1515	-04	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
049	4400	-003	-010	4300	+00.9	02.040	02.589	332					0014.0	2896				-46.7
047	4300	-001	-012	4200	+02.0	02.307	02.925	333					0017.6	2743	+001	-008		-48.0
045	4200	-001	-015	4100	-06.7	02.613	03.412	328					0022.1	2591	-002	-010		-52.1
041	4100	-006	-025	4000	-13.2	02.971	03.986	324					0028.1	2438	+002	-012		-61.5
038	4000	-007	-027	3900	-15.8	03.384	04.584	324					0045.6	2134	+000	-010		-60.7
035	3900	-002	-026	3800	-16.2	03.859	05.232	322					0075.5	1829	-003	-003		-74.9
032	3800	+000	-027	3700	-20.8	04.404	06.078	319					0126.3	1524	+000	+005		-64.7
030	3700	+000	-023	3600	-15.8	05.029	06.850	322					0204.9	1219	-025	-006	20	-53.6
028	3600	+003	-017	3500	-28.9	05.757	08.170	314					0321.9	0914	-010	-007	19	-33.5
025	3500	-001	-013	3400	-39.3	06.634	09.911	307					0486.5	0610	+000	-009	34	-11.3
023	3400	-002	-007	3300	-42.6	07.675	11.594	305					0712.5	0305	+004	-003	58	+07.4
022	3300	-002	-002	3200	-43.3	08.886	13.469	304					1018.7	0000	-001	-005	67	+25.1
020	3200	+000	-002	3100	-43.8	10.294	15.640	304					0050.0	2065	-001	-009		-63.0
018	3100	+001	-004	3000	-44.4	11.927	18.157	304					0100.0	1656	+003	+014		-74.8
016	3000	-007	-001	2800	-48.6	16.096	24.983	301					0500.0	0587	+002	-009	35	-09.7
013	2800	+001	-009	2600	-52.0	21.770	34.341	298					0700.0	0319	+004	-003	63	+06.3
011	2600	-003	-009	2450	-63.1	27.562	45.723	291										
009	2475	+001	-010															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12714	AFETR, GRAND TURK ISLAND AAFB	66	02	14	1600	-05	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
045	4328	-014	-021
043	4267	-022	-027
039	4115	-014	-017
035	3962	+000	-016
032	3810	+006	-008
028	3658	+002	-006
025	3505	-006	-007
022	3353	+001	-010
019	3200	+001	-011
017	3048	+000	-008
014	2896	+003	-011
012	2743	+004	-011
010	2591	+003	-012
009	2469	+004	-006

THERMODYNAMICS

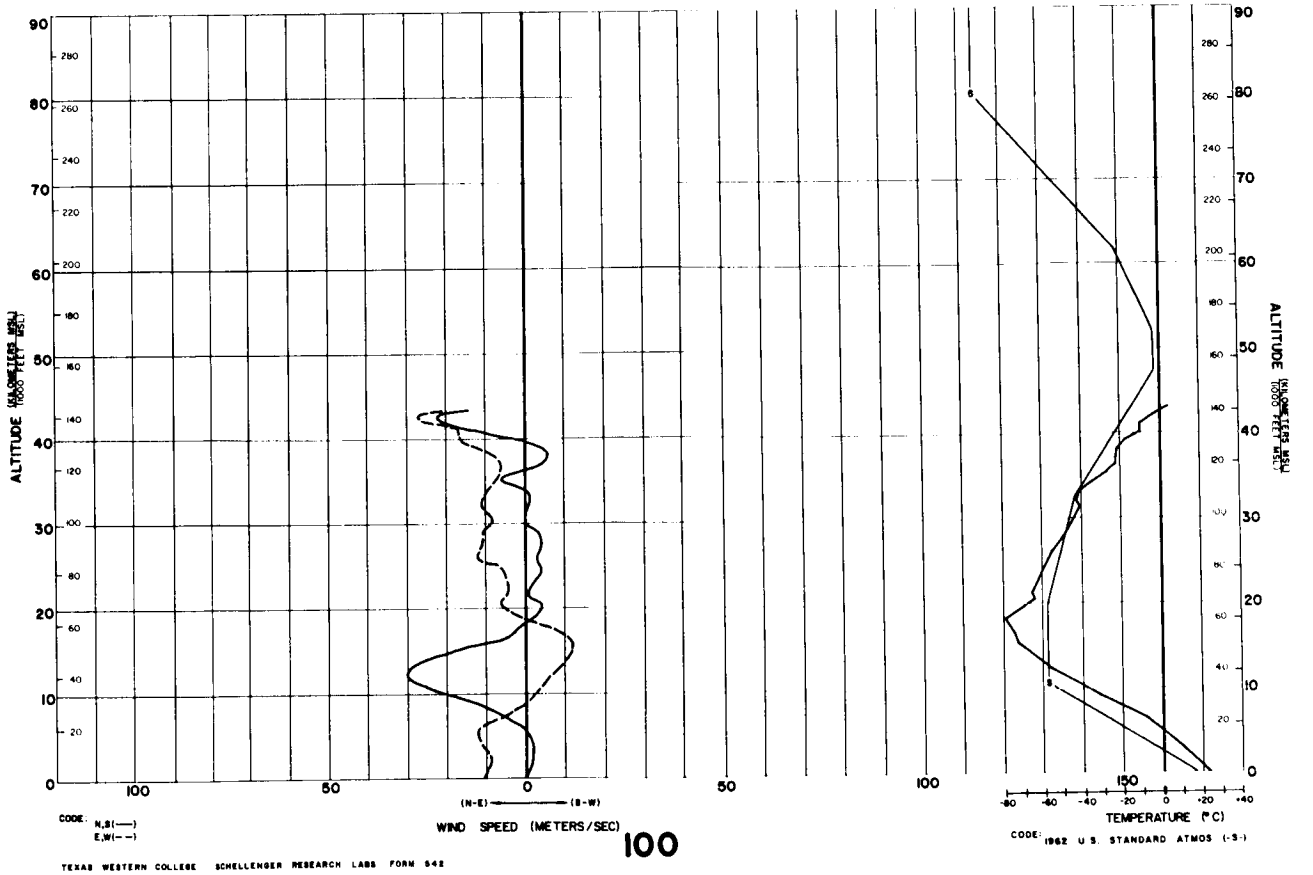
A MSL	TDC	PMB	D	SOS
4300	+03.5	01.983	02.497	334
4200	-02.6	02.242	02.887	330
4100	-10.0	02.543	03.366	326
4000	-10.5	02.890	03.833	325
3900	-17.4	03.291	04.482	321
3800	-21.2	03.757	05.195	319
3700	-22.2	04.296	05.963	318
3600	-21.9	04.912	06.811	318
3500	-27.0	05.625	07.961	315
3400	-34.6	06.465	09.441	310
3300	-41.1	07.460	11.201	306
3200	-42.3	08.631	13.025	305
3100	-40.8	09.984	14.970	306
3000	-43.8	11.556	17.553	304
2800	-48.7	15.576	24.176	301
2600	-54.9	21.110	33.697	297
2400	-59.1	28.880	47.004	294

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.7	3200	-002	-006		-40.5
0010.9	3048	+001	-006		-44.4
0013.7	2896	-002	-005		-48.5
0017.2	2743	+001	-007		-50.1
0021.7	2591	+004	-009		-53.1
0027.5	2438	+000	-009		-58.5
0044.8	2134	+001	-005		-65.1
0074.4	1829	+000	+002		-79.3
0125.4	1524	-015	+012		-72.7
0206.4	1219	-030	+007	30	-56.3
0324.9	0914	-015	+001	29	-31.8
0488.9	0610	-002	-011	26	-07.6
0712.4	0305	+002	-009	27	+09.5
1018.3	0000	+000	-011	84	+23.2
0010.0	3085	+002	-004		-42.9
0050.0	2055	+004	-006		-64.2
0100.0	1650	-004	+011		-73.8
0500.0	0590	-001	-012	25	-06.3
0700.0	0319	+002	-010	25	+09.3



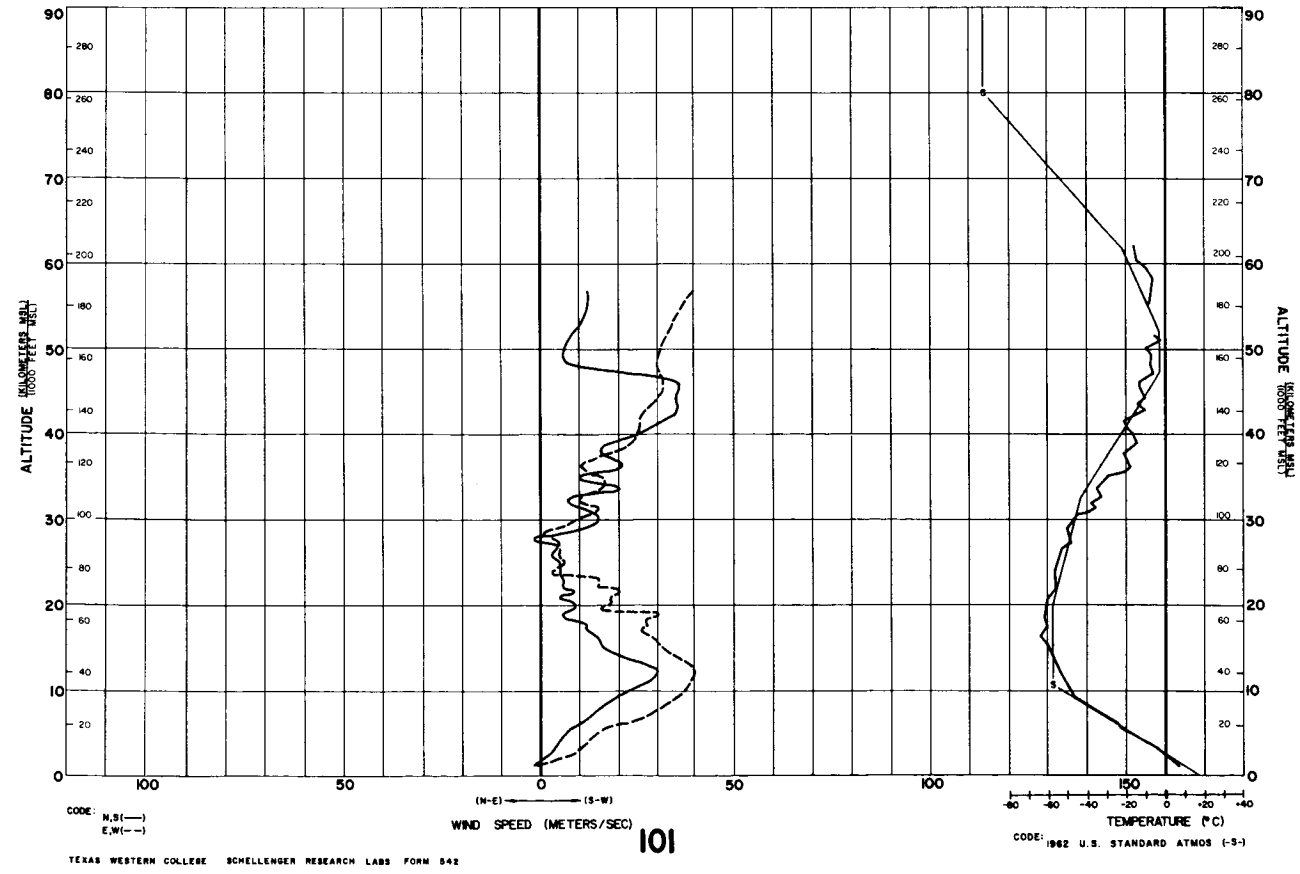
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TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 14	1730	+02	01	02	12			04			5339	5339	1
99999	WSMR, NEW MEXICO	66 02 14	1730	+02						00	5677	4834			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
097	5677	+012	+040	6209	-16.2	00.176	00.238	321					0010.9	3048	+017	+018		-42.5
084	5281	+010	+034	6059	-14.9	00.214	00.288	322					0013.7	2896	+003	-001		-47.8
065	4834	+007	+030	5962	-09.6	00.242	00.319	325					0017.2	2743	+004	+009		-49.4
048	4494	+036	+032	5819	-07.0	00.290	00.379	327					0021.8	2591	+005	+008		-52.6
041	4228	+035	+026	5517	-07.8	00.425	00.557	327					0027.5	2438	+011	+016		-56.5
034	4004	+025	+025	5339									0044.3	2134	+009	+020		-57.4
030	3812	+016	+020	5160	-05.0	00.666	00.865	328					0071.9	1829	+015	+032		-60.3
028	3638	+021	+011	5090	-02.4	00.727	00.935	330					0117.3	1524	+016	+031		-60.0
023	3485	+010	+016	5029	-09.5	00.785	01.037	326					0189.5	1219	+030	+040		-54.0
024	3344	+020	+016	4916	-06.9	00.906	01.185	327					0302.2	0914	+019	+035	03	-45.7
016	3222	+007	+010	4825	-07.5	01.016	01.332	327					0467.6	0610	+010	+022	14	-25.4
016	3126	+011	+015	4703	-06.0	01.186	01.546	328					0700.4	0305	+003	+010	10	-03.9
016	3031	+015	+010	4624	-12.6	01.312	01.753	324					0881.6	0122	-002	-001	25	+06.6
016	2937	+013	+006	4557	-13.0	01.430	01.915	323					0010.0	3093				-40.4
014	2847	+007	+001	4432	-09.9	01.680	02.223	325					0050.0	2050	+001	+005		-59.4
011	2772	-002	+003	4356	-13.8	01.853	02.489	323					0100.0	1620	+014	+028		-63.2
014	2697	+004	+005	4276	-11.1	02.055	02.731	325					0500.0	0561	+008	+017	13	-22.5
010	2597	+003	+005	4154	-20.9	02.411	03.330	318					0700.0	0306	+003	+010	10	-03.9
009	2486	+005	+006	4063	-19.3	02.722	03.736	319										
008	2384	+005	+003	4008	-15.6	02.927	03.959	322										
007	2294	+006	+015	3871	-14.9	03.502	04.724	322										
006	2214	+006	+015	3776	-20.7	03.971	05.479	319										
005	2144	+008	+020	3587	-17.5	05.105	06.956	321										
006	2079	+005	+018	3527	-21.4	05.529	07.651	318										
005	2015	+008	+018	3493	-28.9	05.792	08.260	313										
005	1957	+008	+016	3356	-35.3	07.018	10.279	309										
006	1894	+006	+030	3249	-33.2	08.166	11.855	311										
005	1830	+007	+027	3173	-38.4	09.100	13.504	307										
004	1775	+012	+027	3133	-36.5	09.637	14.187	308										
005	1736	+012	+026	3088	-38.9	10.281	15.289	307										
				3045	-45.0	10.949	16.718	303										
				2893	-49.6	13.750	21.427	300										
				2713	-48.0	18.043	27.916	301										
				2661	-52.5	19.527	30.828	298										
				2405	-56.9	29.048	46.795	295										
				2179	-56.1	41.379	66.414	295										
				2051	-59.7	50.632	82.636	293										
				1847	-61.4													
				1728	-60.2													



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THR	C
93111	PMR. POINT MUGU. CALIF.	66 02 14	1827	-05	03	01	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
102	6201	+027	+063
065	6006	+027	+044
044	5875	+021	+030
071	5661	+020	+040
045	5527	+016	+043
050	5228	+001	+053
025	5079	+004	+050
025	4929	+014	+030
030	4750	+002	+032
023	4612	+013	+029
033	4417	+008	+024
019	4301	+013	+025
018	4192	+019	+023
026	4033	+018	+021
020	3914	+017	+019
019	3801	+015	+014
024	3658	+010	+014
012	3585	+009	+015
019	3475	+011	+013
018	3368	+008	+008
014	3201	+003	+003
017	3000	+001	-001
012	2853	-002	-005
014	2682	+000	+001
011	2551	+001	+004
003	2487	-001	+003

THERMODYNAMICS

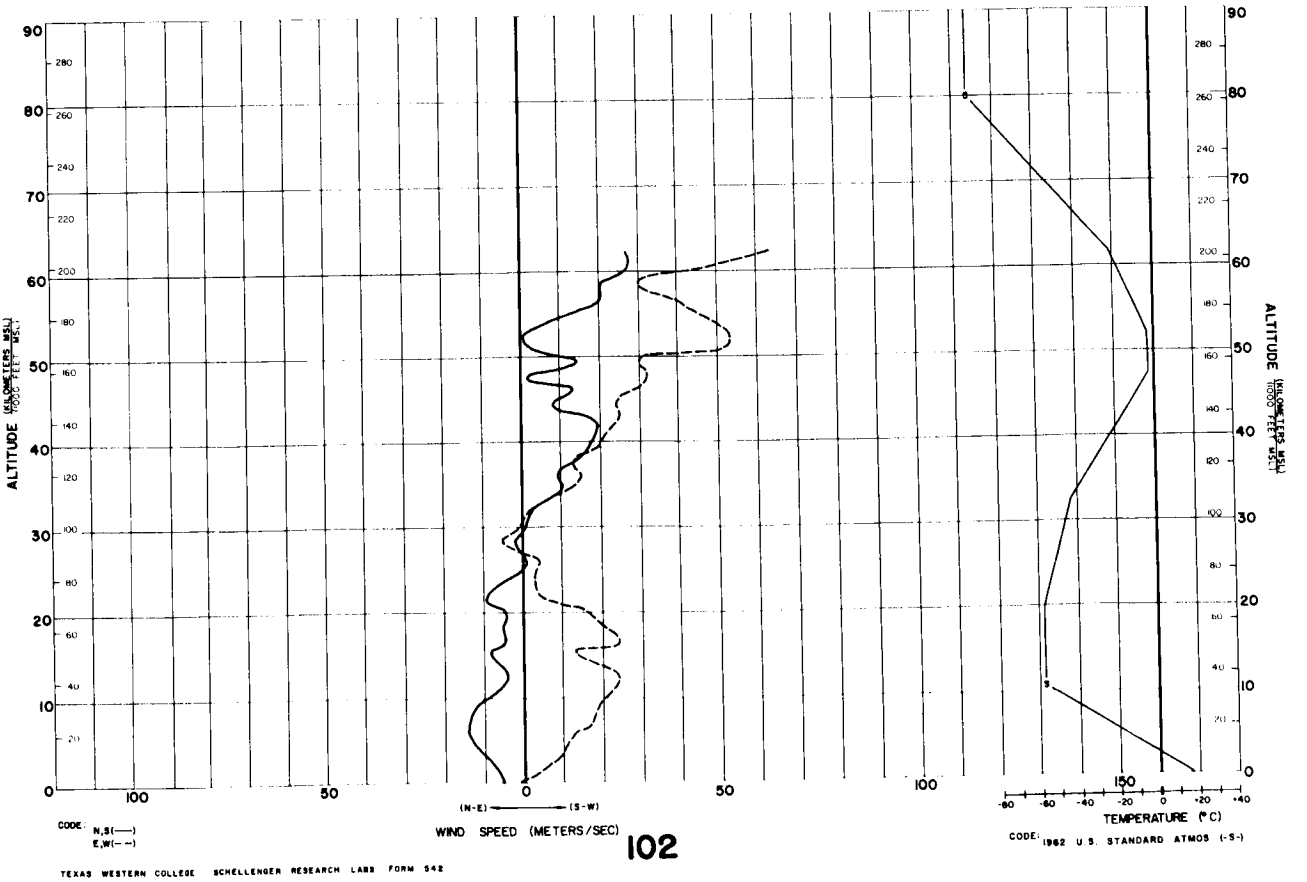
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.3	3200	+001	+002		-45.9
0010.5	3048	+004	-001		-50.1
0013.2	2896	-006	-003		-50.9
0016.7	2743	-002	+001		-51.8
0021.2	2591	+001	+002		-55.7
0026.8	2438	+002	+005		-56.2
0043.4	2134	-009	+006		-60.5
0070.9	1829	-005	+020		-63.9
0115.9	1524	-008	+013		-59.7
0186.7	1219	-004	+024	14	-53.8
0300.8	0914	-012	+019	19	-50.5
0468.8	0610	-014	+016	59	-26.9
0702.5	0305	-010	+009	16	-05.1
1019.6	0000	-006	-001	66	+03.2
0010.0	3068	+005	-003		-48.8
0050.0	2040	-005	+014		-60.8
0100.0	1613	-005	+024		-62.9
0300.0	0915	-012	+020	19	-50.7
0500.0	0562	-014	+013	63	-23.0
0700.0	0308	-010	+009	16	-05.4

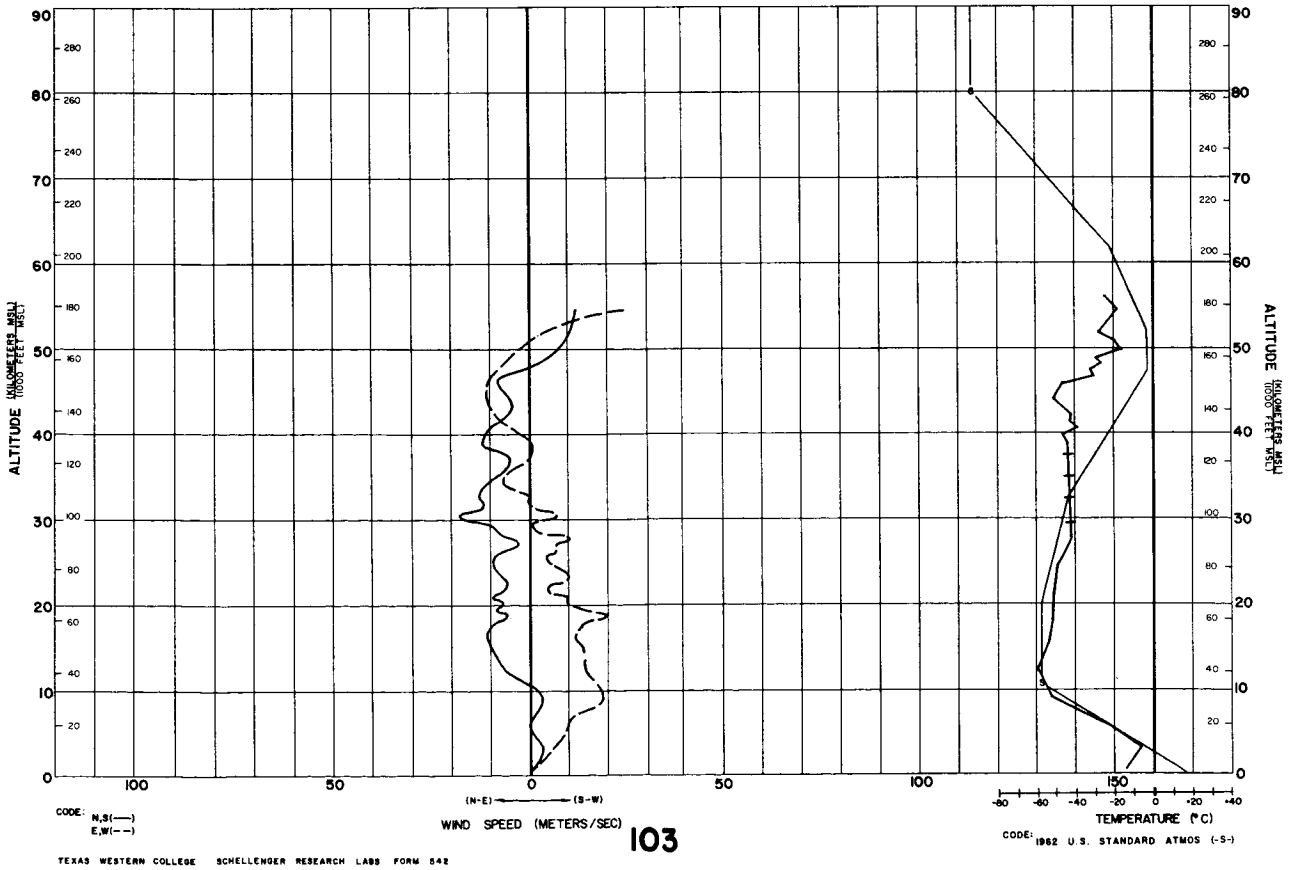


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66	02	14	2000	-03	01	02	12			05			5600	3865	1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
103	5447	+012	+024	5600	-24.6								0017.6	2743	-009	+000		-42.5
083	5165	+010	+002	5430	-17.4								0022.0	2591	-014	+005		-46.2
073	4935	+006	-004	5175	-27.9								0027.9	2438	-009	+008		-49.2
058	4645	-008	-010	5080	-19.5								0043.1	2134	-011	+010		-50.6
045	4335	-004	-010	4980	-15.4								0070.7	1829	-010	+009		-51.4
037	4088	-010	-004	4875	-29.0								0112.8	1524	-010	+013		-54.3
031	3883	-012	+001	4805	-26.8								0182.5	1219	-006	+014		-59.1
028	3707	-005	+000	4740	-32.4								0298.1	0914	+003	+018		-52.6
024	3550	-007	-005	4665	-31.2								0465.8	0610	+000	+010	58	-27.9
023	3408	-011	-007	4580	-46.0								0699.9	0306	+003	+006	32	-06.8
021	3278	-013	+000	4380	-50.8								0971.8	0040	+000	+000	83	-14.8
019	3158	-012	+000	4220	-41.8								0050.0	2052	-007	+012		-50.9
017	3052	-018	+007	4120	-42.3								0100.0	1602	-011	+012		-52.5
015	2957	-011	+001	4060	-38.9								0500.0	0559	+000	+010	46	-23.4
014	2869	-008	+002	3985	-46.4								0700.0	0305	+003	+006	32	-06.8
012	2792	-006	+010	3865	-44.0													
013	2719	-003	+007															
011	2649	-006	+007															
010	2559	-009	+004															
009	2441	-009	+007															
008	2338	-007	+010															
007	2244	-006	+007															
007	2159	-007	+005															
006	2082	-009	+010															
006	2010	-007	+010															
005	1942	-008	+014															
006	1875	-006	+019															
005	1808	-008	+015															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
22509	PMR, BARKING SANDS, HAWAII	66 02 15	0023	-06	03	01	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
038	5490	-002	+037
035	5380	+000	+030
032	5280	+004	+025
029	5100	+004	+020
026	4940	+010	-001
024	4790	+003	-004
024	4650	+013	-005
022	4500	+005	-013
017	4390	-001	-013
019	4300	+001	-014
021	4160	+005	-019
018	4050	+002	-017
017	3950	+002	-014
016	3850	-003	-009
015	3760	-009	-005
015	3670	-005	-006
017	3580	-003	-004
017	3470	-010	-001
015	3290	-009	+011
013	3120	-003	+009
012	2980	+000	+006
011	2850	+003	+006
011	2720	+005	+004
009	2600	+003	+004
010	2510	+004	+000
010	2380	+001	-002
009	2280	+002	-001

THERMODYNAMICS

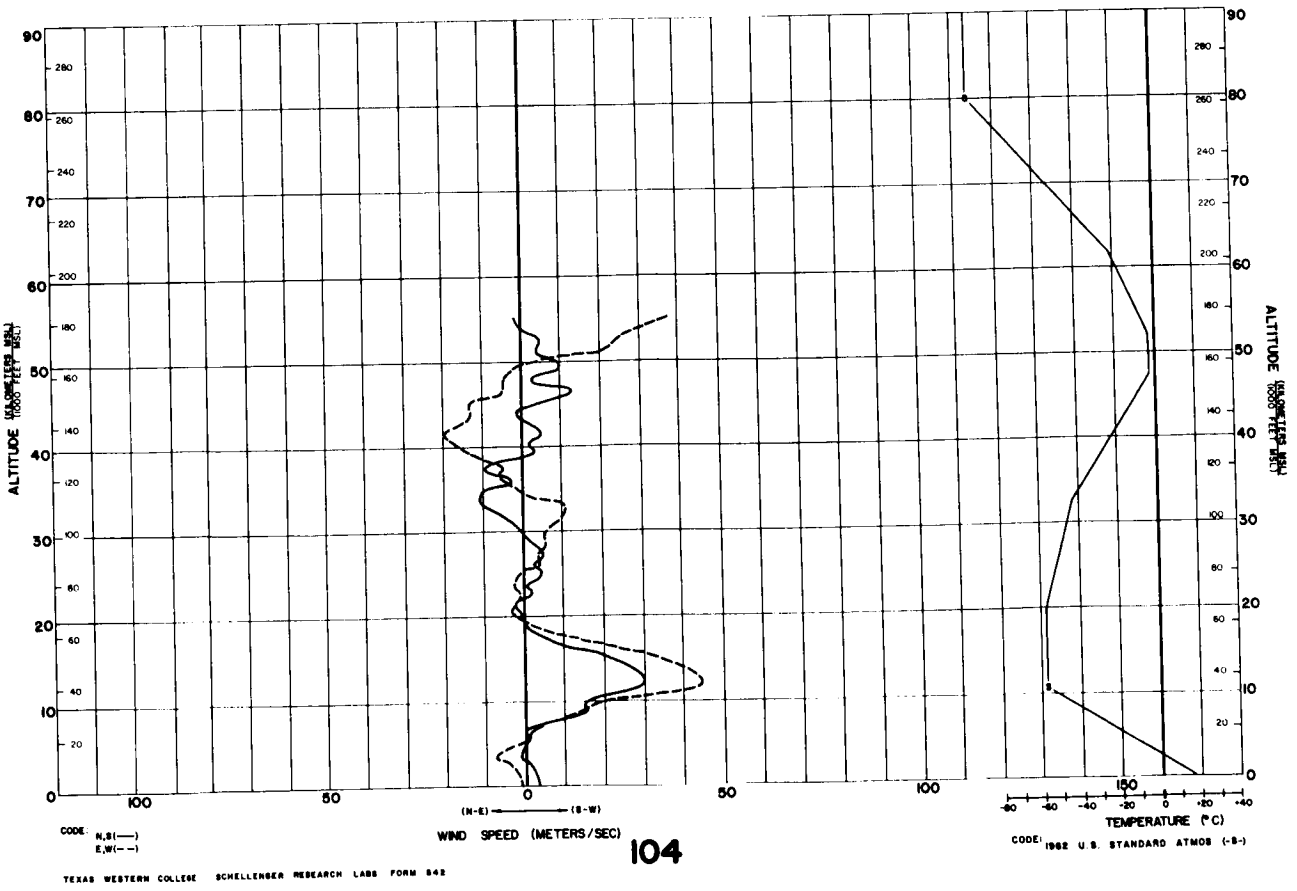
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0021.2	2591	+003	+003		-54.2
0027.0	2438	+004	-001		-53.9
0044.0	2134	-002	-002		-64.0
0073.1	1829	+002	+006		-69.1
0122.0	1524	+019	+031		-67.1
0199.0	1219	+030	+044		-53.6
0316.0	0914	+016	+016	26	-38.9
0481.0	0610	+000	+001	22	-16.2
0709.0	0305	+000	-006	10	+05.2
1017.3	0000	+003	-001	79	+21.5
0050.0	2057	-001	-003		-65.3
0100.0	1641	+010	+021		-67.4
0300.0	0950	+015	+017		-41.9
0500.0	0582	+001	+001	17	-13.6
0700.0	0316	-001	-007	10	+05.8



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 15	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
062	4813	-008	+004
057	4634	+000	+008
049	4403	-004	-004
038	4144	-002	-007
033	3932	+000	+000
026	3752	+007	-001
026	3586	-003	+000
024	3452	-014	+006
023	3312	-016	+001
018	3192	-009	+003
018	3086	-004	+001
015	2986	-010	+010
014	2899	-007	+007
013	2818	-004	+004
012	2742	-005	+004
011	2674	-007	+006
010	2611	-005	+008
010	2521	-003	+007
009	2410	-006	+003
008	2313	-005	+002
007	2226	-007	+006
007	2144	-011	+008
006	2066	-007	+012
006	1995	-007	+011
006	1925	-008	+013
005	1859	-003	+012
005	1797	-004	+013

THERMODYNAMICS

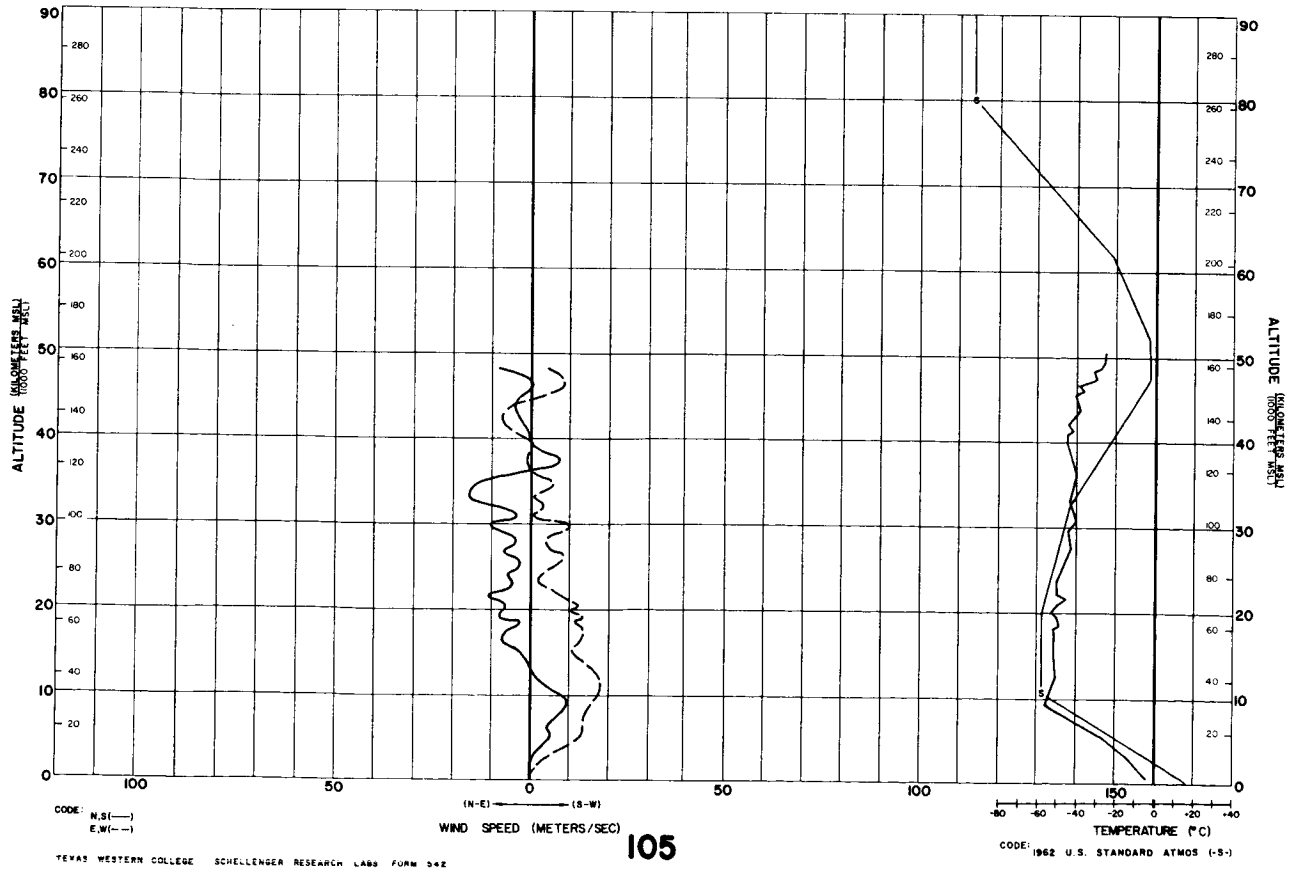
A MSL	TDC	PMB	D	SOS
5025	-25.7	00.642	00.903	315
4945	-26.2	00.715	01.009	315
4865	-27.9	00.798	01.133	314
4830	-30.9	00.838	01.204	312
4760	-29.7	00.923	01.320	313
4660	-38.7	01.062	01.578	307
4580	-36.5	01.191	01.753	308
4530	-41.1	01.280	01.921	305
4375	-37.9	01.601	02.370	307
4205	-44.1	02.049	03.115	303
4125	-42.4	02.304	03.477	305
4085	-44.7	02.443	03.725	303
3985	-45.4	02.832	04.332	303
3600	-39.5	04.976	07.418	306
3540	-41.2	05.428	08.152	305
3295	-43.6	07.772	11.794	304
3070	-39.8	10.798	16.119	306
2945	-43.7	12.964	19.682	304
2750	-42.5	17.273	26.089	304
2340	-49.6	31.850	49.632	300
2220	-48.9	38.199	59.341	300
2200	-50.0	39.376	61.471	299
2150	-46.2	42.459	65.174	302
2070	-50.3	47.907	74.889	299
2005	-53.1			
1950	-50.0			
1865	-48.8			
1805	-51.9			
1760	-51.9			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0017.1	2743	-005	-001		-47.4
0021.8	2591	-006	+007		-48.5
0027.3	2438	-007	+005		-49.6
0043.4	2134	-006	+006		
0069.5	1829	-006	+012		
0111.6	1524	-004	+011		-51.5
0178.2	1219	+001	+017		-51.0
0286.1	0914	+009	+016		-56.0
0452.6	0610	+004	+013	36	-32.0
0686.7	0305	+001	+005	100	-14.2
0968.1	0040	+000	+000	87	-05.3
0050.0	2042	-006	+008		-51.5
0100.0	1593	-007	+012		
0500.0	0538	+005	+013	27	-26.7
0700.0	0290	+001	+005	100	-14.0

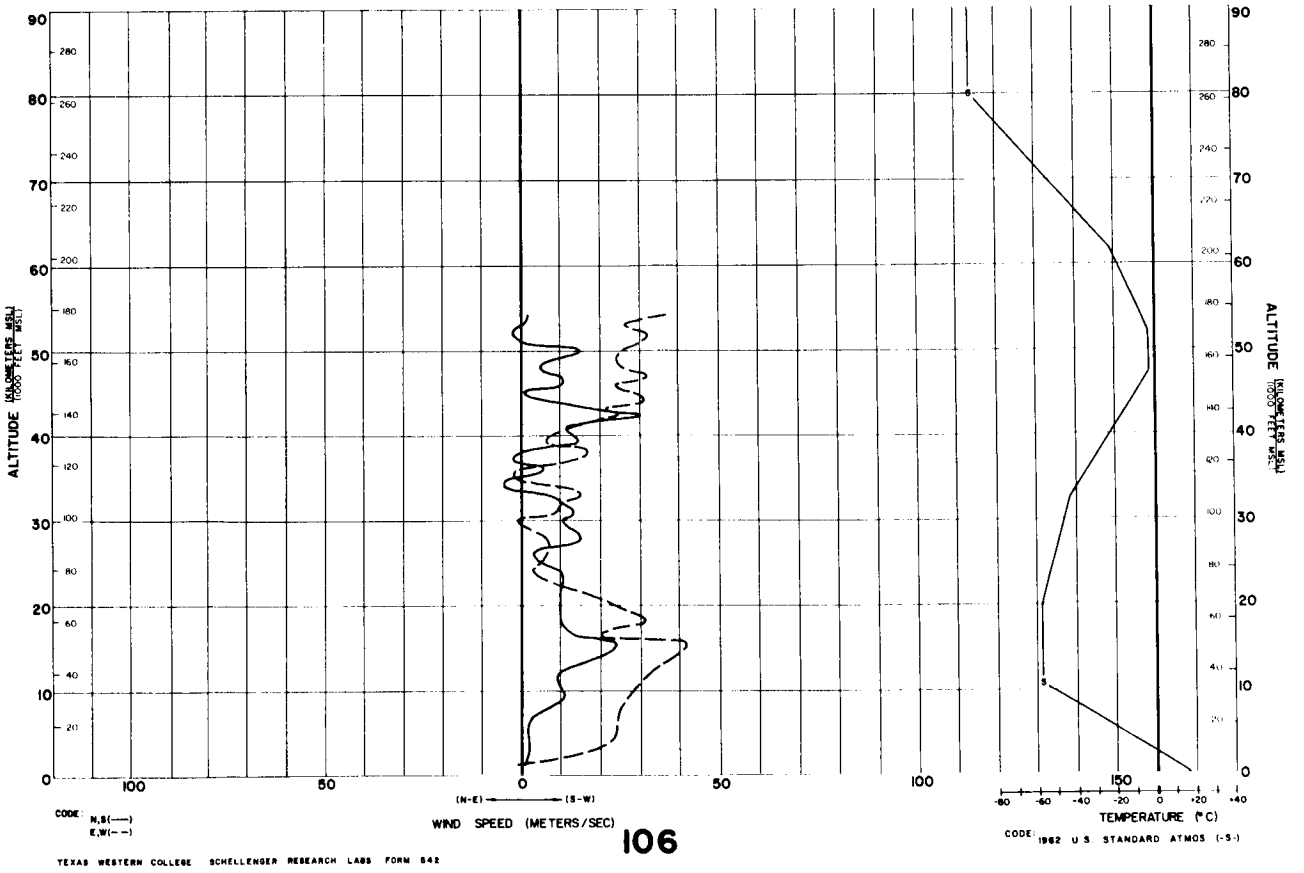


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 15	2000	-05	20	02	00								3

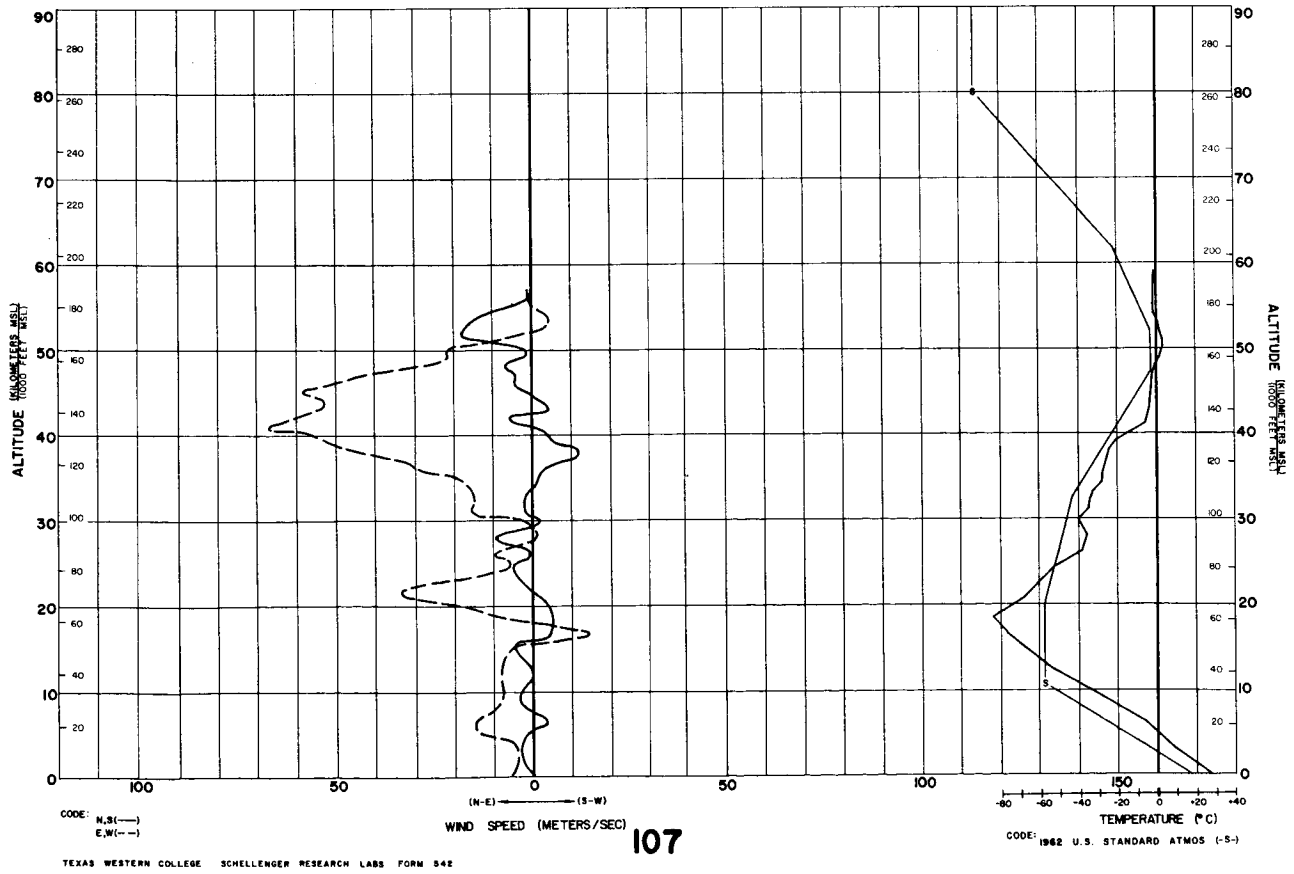
ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
Fv	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
120	5400	+002	+037										0011.0	3048				-41.2
106	5300	+000	+027										0013.8	2896	+010	+014		-44.5
095	5200	-002	+032										0017.3	2743	+008	+006		-46.5
096	5100	+000	+031										0021.7	2591	+003	+011		-54.6
087	5000	+015	+026										0027.5	2438	+005	+009		-53.6
080	4900	+009	+024										0044.2	2134	+010	+016		-58.4
072	4800	+005	+026										0071.7	1829	+010	+031		-57.0
065	4700	+010	+032										0116.8	1524	+024	+042		-60.3
069	4600	+010	+024										0188.1	1219	+010	+033		-51.0
057	4500	+001	+027										0300.9	0914	+011	+027		-48.4
052	4400	+008	+031										0466.3	0610	+002	+024	18	-24.4
049	4300	+019	+022										0698.0	0305	+002	+018	23	-05.4
052	4250	+030	+025										0877.4	0122	+001	-001	40	+03.5
049	4200	+023	+020										0010.0	3099				-41.1
044	4100	+012	+013										0050.0	2049	+010	+022		-61.4
036	4000	+013	+008										0100.0	1617	+014	+020		-63.3
035	3900	+014	+007										0500.0	0559	+002	+024	18	-20.2
032	3800	+000	+017										0700.0	0303	+002	+018	23	-05.3
032	3700	-002	+013															
028	3600	+006	+001															
027	3500	-002	-002															
022	3400	-004	+008															
021	3300	+006	+015															
019	3200	+010	+011															
019	3100	+013	+009															
017	3000	+011	-001															
012	2800	+015	+006															
011	2600	+003	+007															
009	2400	+010	+003															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66	02	16	1510	-04	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
120	5700	+000	-001	5900	-00.6	00.293	00.375	331					0008.9	3200	-003	-018		-42.1
114	5600	-001	-001	5800	-00.8	00.332	00.424	331					0011.1	3048	+000	-010		-43.5
106	5500	-005	+000	5700	-01.0	00.375	00.480	331					0013.9	2896	-005	+003		-43.0
098	5400	-012	+003	5600	-01.2	00.424	00.543	331					0017.4	2743	-003	-002		-45.0
091	5300	-016	+004	5500	-01.3	00.480	00.615	331					0021.8	2591	+001	-008		-50.9
084	5200	-018	-001	5400	-00.8	00.542	00.694	331					0027.5	2438	-003	-016		-54.2
075	5100	-011	-010	5300	+00.3	00.613	00.783	332					0044.6	2134	+001	-033		-64.5
072	5000	-002	-022	5200	+01.6	00.693	00.877	333					0074.8	1829	+005	-005		-83.1
066	4900	-003	-022	5100	+02.4	00.783	00.990	333					0127.2	1524	-004	-003		-71.1
061	4800	-007	-031	5000	+02.3	00.884	01.118	333					0207.6	1219	+000	-008	08	-53.7
056	4700	-004	-043	4900	+01.4	00.999	01.268	333					0324.3	0914	-003	-008		-27.6
050	4600	-004	-052	4800	-00.4	01.129	01.445	331					0485.8	0610	+003	-015		-06.5
047	4500	-002	-058	4700	-01.3	01.278	01.637	331					0709.4	0305	-003	-004	55	+08.9
045	4400	+002	-053	4600	-01.4	01.446	01.853	331					1004.9	0008	+000	-006	69	+25.6
038	4300	+004	-054	4500	-02.1	01.636	02.104	330					0010.0	3097	-003	-016		-42.2
039	4200	-006	-061	4400	-02.2	01.853	02.381	330					0050.0	2053	+003	-026		-68.6
035	4100	+000	-067	4300	-02.8	02.098	02.699	330					0100.0	1657	+004	+014		-77.7
032	4000	+004	-056	4200	-04.8	02.377	03.085	329					0500.0	0585	+002	-015		-05.0
029	3900	+006	-052	4100	-05.4	02.695	03.515	328					0700.0	0315	-004	-004	53	+08.4
026	3800	+012	-044	4000	-13.1	03.063	04.109	324										
026	3700	+009	-033	3900	-20.4	03.495	04.812	319										
027	3600	+003	-029	3800	-24.0	03.998	05.589	317										
026	3500	+002	-021	3700	-25.0	04.578	06.426	316										
023	3400	+001	-017	3600	-26.7	05.247	07.421	315										
022	3300	-002	-016	3500	-28.5	06.019	08.575	314										
020	3200	-002	-015	3400	-28.9	06.910	09.856	314										
018	3100	-002	-016	3300	-32.3	07.941	11.467	311										
016	3000	+002	-003	3200	-34.3	09.144	13.338	310										
015	2800	-009	+001	3100	-35.6	10.536	15.458	309										
009	2600	-001	-009	3000	-39.9	12.160	18.139	307										
009	2475	-005	-006	2800	-35.8	16.183	23.753	309										
				2600	-38.8	21.527	31.948	307										
				2450	-51.7	27.045	42.546	299										

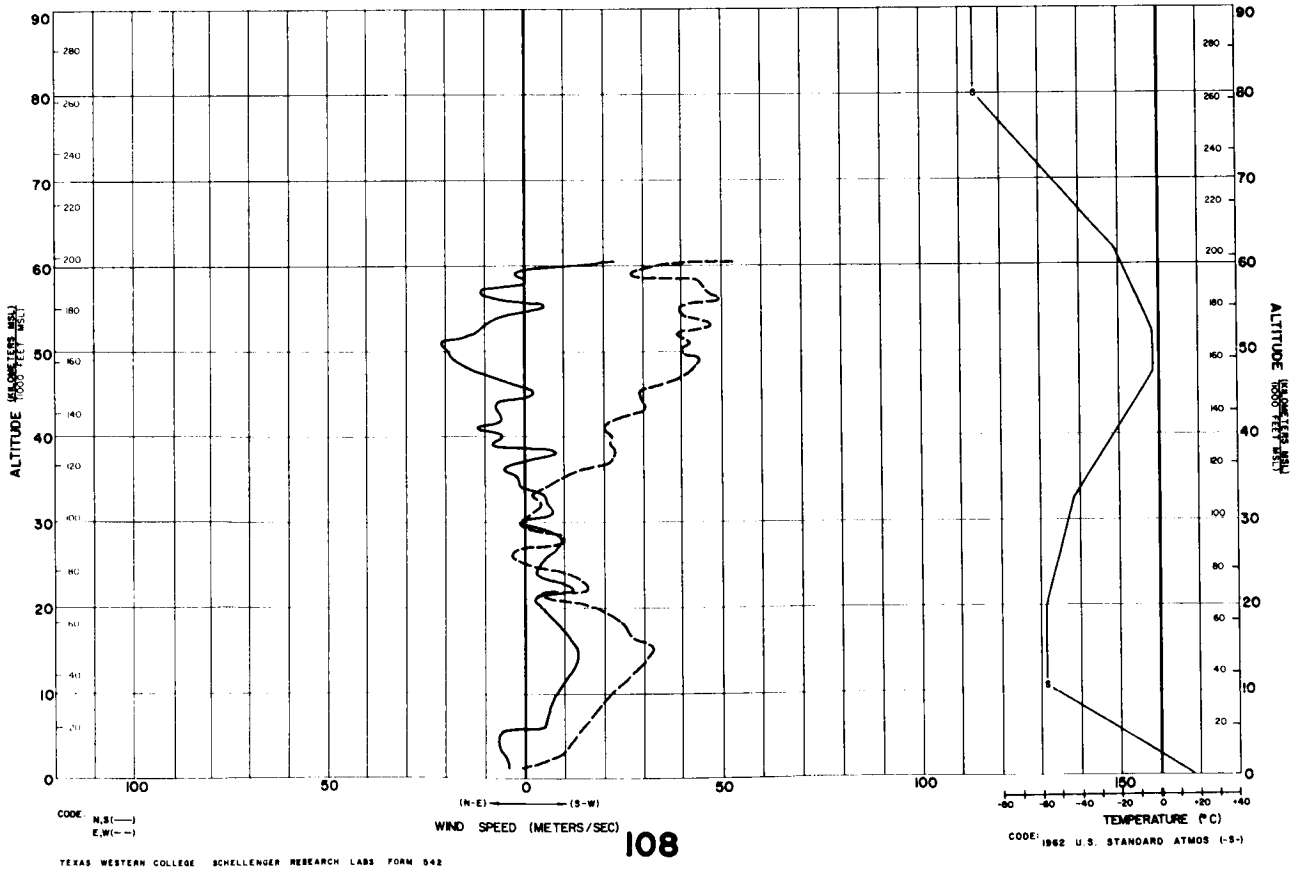


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR. NEW MEXICO	66 02 16	1545	-01	01	02	00			00	6056	6000			3
99999	WSMR. NEW MEXICO	66 02 16	1545	-01						00	3800	3800			3

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
075	6056	+023	+053										0011.1	3048	+002	-001		-39.0
089	6000	+012	+034										0013.8	2896	-001	-002		-44.0
095	5900	-002	+027										0017.3	2743	+003	+006		-46.3
098	5800	+000	+044										0021.8	2591	+000	+001		-50.0
095	5700	-011	+046										0027.6	2438	+001	+007		-53.7
092	5600	-006	+049										0044.3	2134	+004	+005		-55.1
087	5500	+005	+040										0071.5	1829	+008	+024		-59.8
084	5400	-005	+041										0116.2	1524	+013	+032		-58.9
079	5300	-010	+047										0187.0	1219	+012	+027		-51.9
089	5200	-013	+039										0299.7	0914	+007	+020		-51.5
085	5100	-021	+042										0466.5	0610	+005	+015	22	-27.6
077	5000	-019	+040										0700.2	0305	-006	+009	19	-06.6
069	4900	-018	+044										0884.2	0122	-004	-001	37	-01.4
059	4700	-008	+041										0010.0	3103	+002	-002		-35.3
048	4600	-002	+034										0050.0	2049	+003	+013		-53.4
045	4500	+002	+029										0100.0	1615	+012	+028		-61.9
042	4400	-007	+030										0500.0	0560	-005	+014	22	-23.8
040	4300	-007	+030										0700.0	0305	-006	+009	18	-06.7
037	4200	-006	+023															
033	4100	-012	+020															
030	4000	-006	+022															
029	3900	-008	+022															
049	3800	+008	+023															
025	3700	+000	+022															
023	3600	-005	+015															
022	3500	-002	+010															
020	3400	-001	+006															
018	3300	+005	+002															
017	3200	+006	+004															
016	3100	+007	+002															
015	3000	-001	-001															
011	2800	+009	+010															
009	2600	+006	-003															
007	2409	+003	+009															
007	2200	+012	+016															

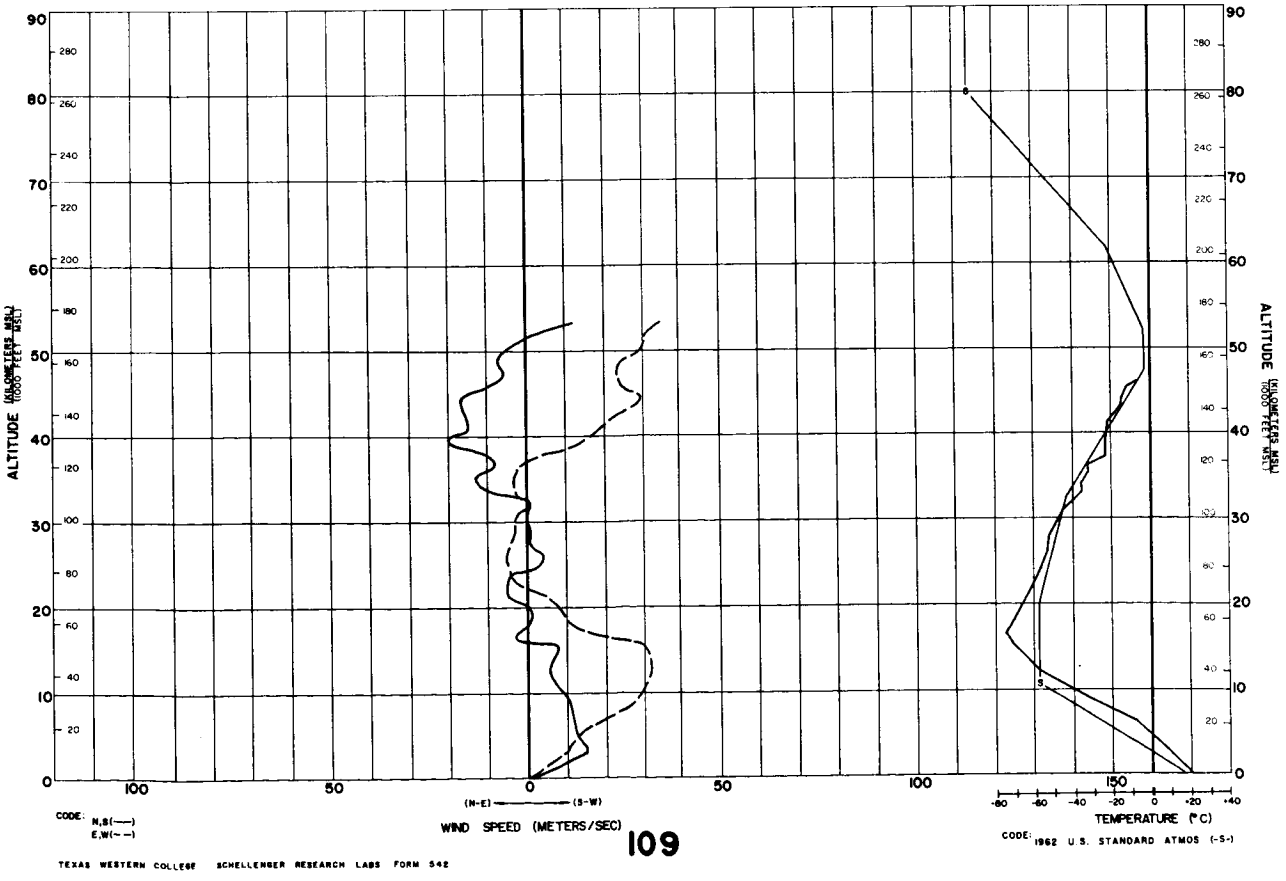


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	Z	TIME	TR	RT	WS	TS	RP	IJ	GD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 16		1629	-05	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
089	5334	+012	+035	4600	-06.0	01.319	01.720	328					0007.0	3350				-38.9
082	5182	+001	+031	4500	-11.8	01.498	01.996	324					0008.7	3200	-002	-001		-42.9
075	5029	-004	+029	4400	-13.9	01.704	02.290	323					0010.9	3050	-002	-004		-45.7
069	4877	-007	+024	4300	-15.0	01.940	02.619	322					0013.6	2900	-001	-005		-48.3
063	4724	-006	+023	4200	-19.1	02.213	03.034	320					0017.1	2750	-003	-003		-48.2
056	4572	-011	+025	4100	-21.8	02.527	03.503	318					0021.5	2600	-002	-003		-56.2
050	4420	-017	+029	4000	-22.5	02.890	04.017	318					0027.2	2450	-005	-003		-57.1
045	4267	-016	+023	3900	-22.8	03.306	04.601	318					0045.5	2125	-005	+004		-62.5
041	4115	-015	+019	3800	-23.1	03.782	05.270	317					0074.6	1825	+001	+011		-71.0
037	3962	-020	+015	3700	-23.4	04.327	06.036	317					0124.4	1525	+008	+030		-71.6
033	3810	-012	+008	3600	-32.0	04.964	07.171	312					0202.4	1225	+006	+032	31	-56.4
028	3658	-008	-002	3500	-31.8	05.708	08.239	312					0316.8	0925	+011	+028	30	-34.1
026	3505	-013	-003	3400	-35.9	06.571	09.649	309					0492.2	0600	+012	+016	19	-08.3
022	3353	-009	-003	3300	-35.3	07.573	11.092	310					0713.8	0300	+014	+010	21	+08.4
020	3200	+001	+001	3200	-39.2	08.737	13.010	307					1018.3	0000	+001	+000	98	+21.0
018	3048	+000	-003	3100	-44.7	10.110	15.417	303					0010.0	3086	-004	-005		-44.5
015	2896	+001	-003	3000	-46.7	11.727	18.041	302					0050.0	2055	-001	+007		-64.4
013	2743	+001	-004	2800	-51.9	15.847	24.953	299					0100.0	1647	-003	+020		-74.6
011	2591	+004	-005	2600	-52.7	21.500	33.977	298					0500.0	0586	+012	+015	19	-07.4
009	2438	+000	-004	2400	-56.4	29.370	47.206	295					0700.0	0315	+015	+010	18	+08.8
008	2377	-004	-004															

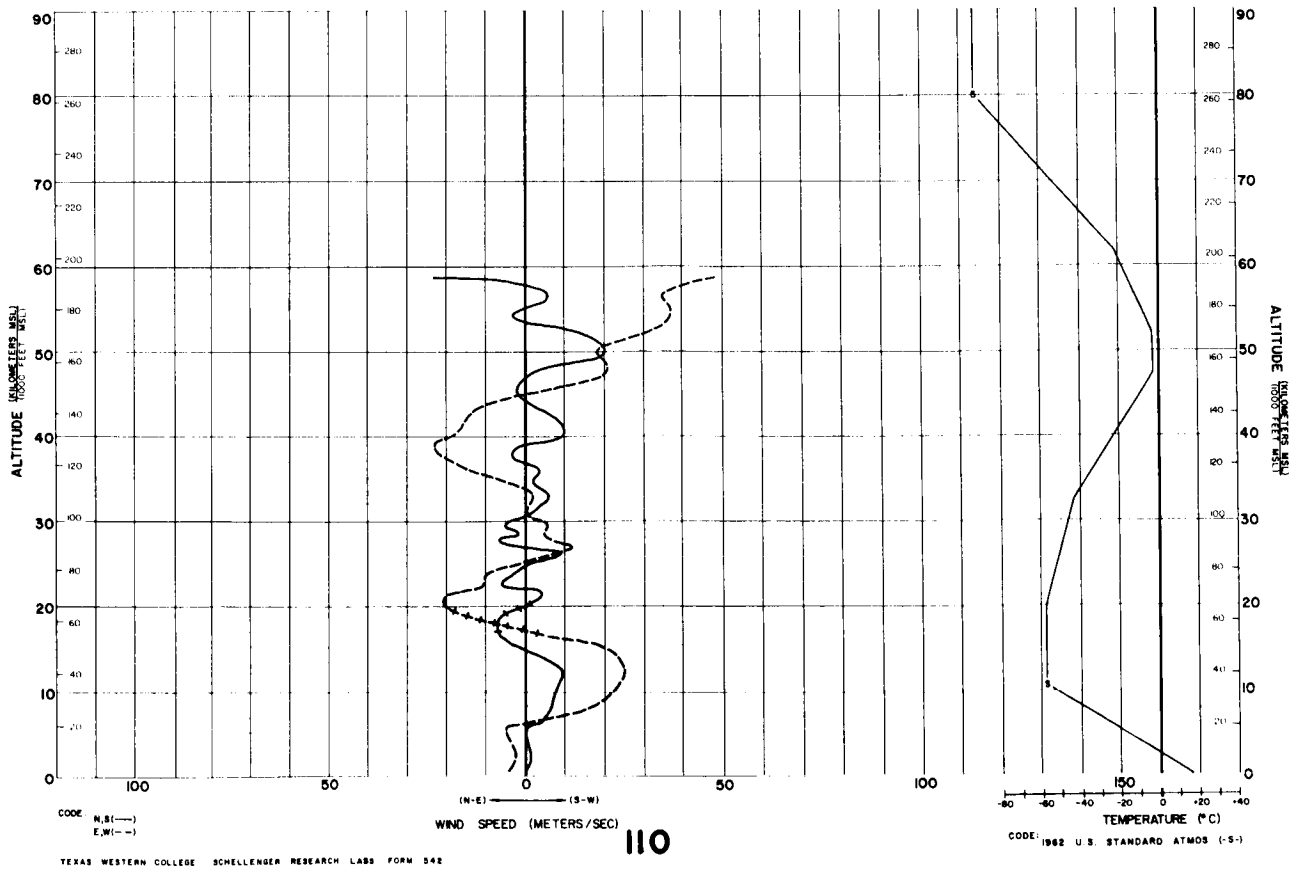


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11503	HARP. SEAWELL. WEST INDIES	66 02 16	1700	-05	18	02	00			00	5872	5872			1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
111	5872	-023	+048											1524	-003	+018		
077	5645	+006	+035											1219	+009	+025		
070	5424	-003	+037											0914	+007	+020		
072	5211	+014	+030											0610	+003	-001		
072	4994	+020	+018											0305	+001	-003		
062	4793	+004	+021										1009.0	0049	+000	-004	85	+25.2
049	4554	-002	+006										0050.0	2056				-65.5
039	4290	+005	-013										0100.0	1652	-007	+006		-76.5
033	4075	+010	-017										0500.0	0585	+001	-004	41	-10.5
026	3898	+000	-023										0700.0	0316	+001	-003	16	+10.8
025	3743	-003	-020															
026	3587	+003	-014															
025	3434	+002	-004															
022	3293	+006	+002															
019	3171	+003	+001															
018	3060	+000	+001															
017	2955	-005	+006															
016	2858	-002	+005															
013	2771	-007	+007															
013	2691	-001	+012															
013	2614	+009	+008															
011	2507	+002	+000															
010	2376	-003	-010															
010	2254	-006	-011															
009	2143	+004	-018															
008	2041	+002	-021															

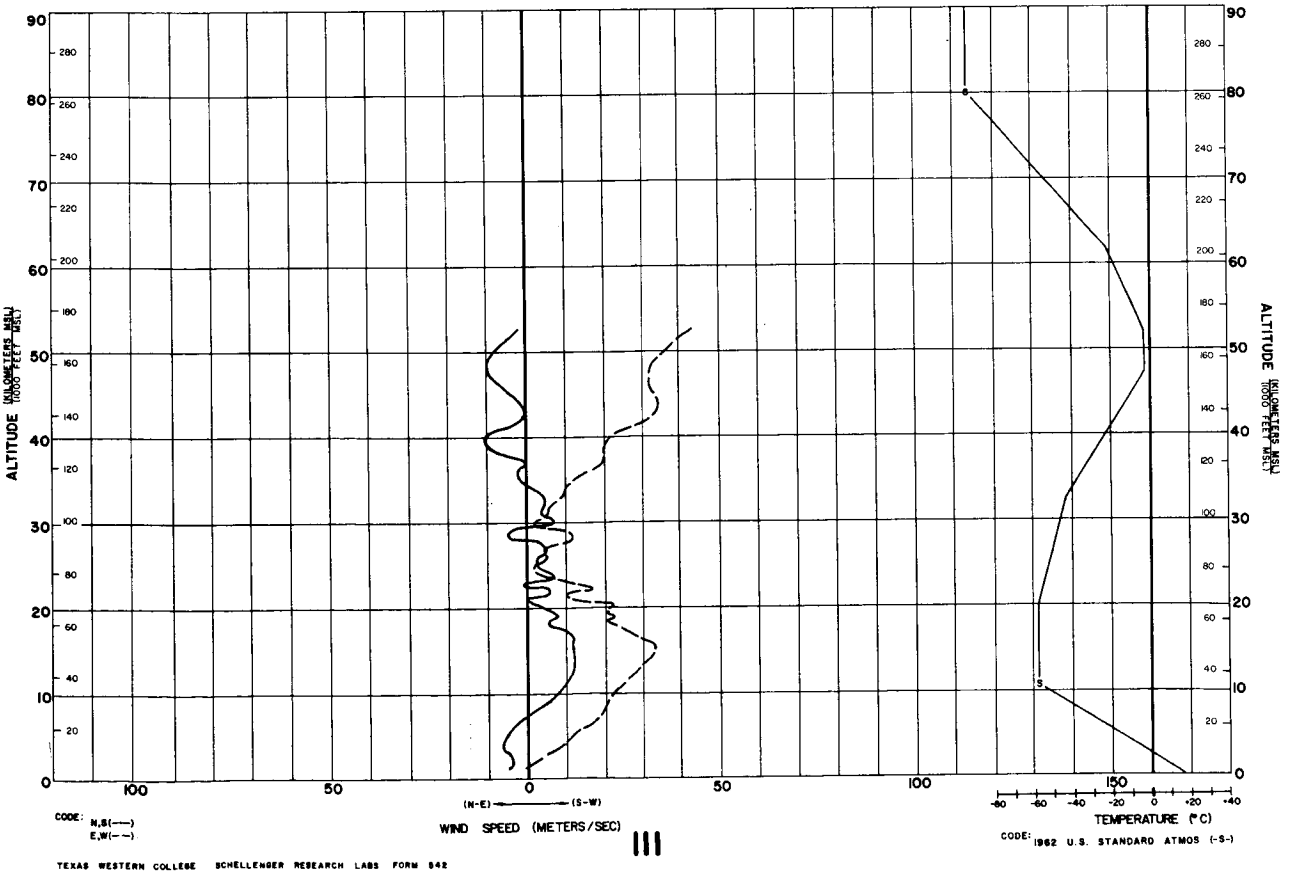


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE	TIME	TR	PT	WS	TS	RP	IJ	QD	WHT	WHR	THT	THB	C
		Y M D	Z												
23039	WSMR, NEW MEXICO	66 02 16	1800	-01	01	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
083	5267	-002	+043										0017.5	2743				-48.7
060	4837	-010	+033										0022.1	2591	+004	-005		-53.5
049	4511	-004	+033										0027.9	2438	+001	+010		-55.9
038	4252	+000	+033										0044.7	2134	+007	+008		-52.8
032	4043	-009	+023										0072.3	1829	+010	+026		-60.3
029	3859	-009	+020										0117.4	1524	+012	+033		-56.7
025	3696	+000	+019										0188.3	1219	+012	+028		-50.5
023	3551	-002	+014										0301.4	0914	+006	+021		-49.6
021	3418	+000	+011										0468.7	0610	-003	+016	16	-25.9
020	3296	+004	+009										0701.6	0305	-005	+006	15	-05.1
016	3188	+004	+006										0884.5	0122	-005	-001	28	+01.0
016	3092	+004	+005										0050.0	2055	+003	+012		-56.8
014	3004	+007	+002										0100.0	1621	+012	+029		-60.1
014	2922	-003	+007										0500.0	0563	-004	+013	16	-22.0
011	2847	-004	+012										0700.0	0307	-006	+007	15	-05.2
010	2784	+003	+009															
010	2693	+005	+005															
008	2582	+003	+005															
009	2477	+003	+002															
009	2365	+007	+006															
005	2278	-001	+015															
004	2220	+005	+017															
005	2164	+006	+010															
007	2091	+000	+012															
006	2015	+003	+022															
005	1952	+007	+021															
003	1903	+008	+022															
005	1855	+006	+021															
007	1806	+006	+022															

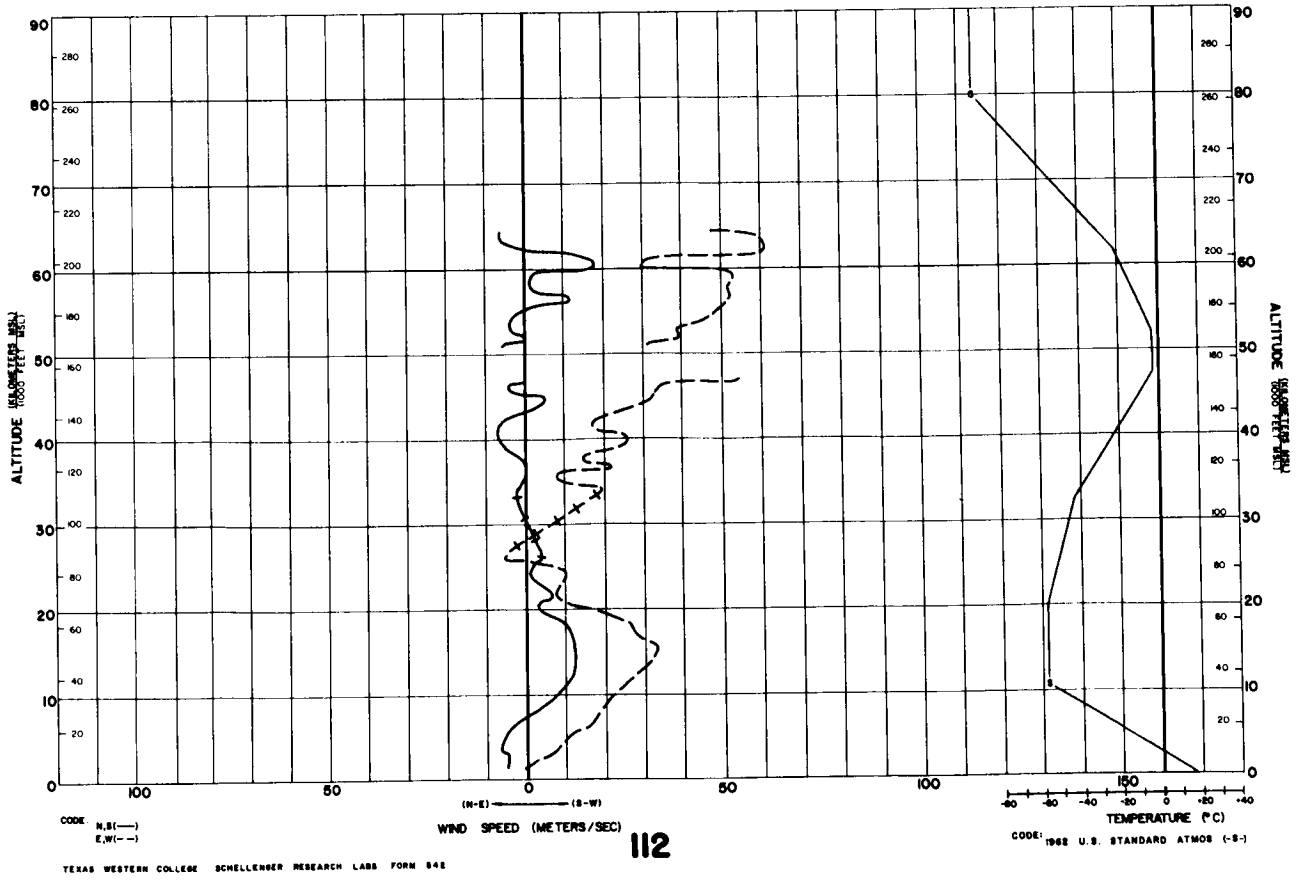


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 16	1805	-01	20	01	00			03	4898	4898			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
059	6433	-006	+048										0017.5	2743				-48.7
028	6331	-006	+060										0022.1	2591	+004	-005		-53.5
028	6204	+006	+061										0027.9	2438	+001	+010		-55.9
021	6058	+018	+030										0044.7	2134	+007	+008		-52.8
025	5921	+002	+053										0072.3	1829	+010	+026		-60.3
023	5777	+002	+052										0117.4	1524	+012	+033		-56.7
021	5646	+012	+052										0188.3	1219	+012	+028		-50.5
021	5520	+003	+050										0301.4	0914	+006	+021		-49.6
017	5404	-003	+046										0468.7	0610	-003	+016	16	-28.9
019	5294	-003	+039										0701.6	0305	-005	+006	15	-05.1
016	5189	+000	+039										0884.5	0122	-005	-001	28	+01.0
016	5093	-006	+031										0050.0	2055	+003	+012		-56.8
	4898												0100.0	1621	+012	+029		-60.1
006	4702	+000	+054										0500.0	0563	-004	+013	16	-22.0
010	4622	-004	+035										0700.0	0307	-006	+007	15	-05.2
015	4468	+005	+032															
013	4301	-001	+023															
013	4148	-007	+017															
010	4010	-007	+026															
009	3891	-005	+024															
012	3763	-001	+015															
006	3653	+000	+022															
014	3530	+000	+008															
006	3408	-002	+019															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 548

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 16	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
122	5675	-002	-002
103	5340	-004	+008
082	5060	-008	+000
070	4835	-005	+000
056	4565	-004	-001
043	4265	-003	-005
036	4025	-001	+007
031	3825	+009	+006
028	3650	-010	-002
024	3495	-010	+008
021	3355	-006	+007
018	3235	-005	+011
018	3125	-007	+011
016	3025	-006	+008
016	2935	-006	+000
013	2845	-005	+005
012	2770	-007	+006
012	2695	-004	+007
011	2625	+002	+003
010	2530	-003	+007
009	2415	-004	+006
008	2315	-004	+006
007	2225	-004	+010
007	2145	-003	+010
006	2070	-003	+008
006	2000	-003	+012
006	1930	-004	+012

THERMODYNAMICS

A MSL	TDC
6050	-19.9
5880	-16.4
5695	-16.6
5610	-19.1
5550	-24.6
5405	-21.0
5285	-24.3
5220	-22.3
5085	-24.5
5040	-21.2
4730	-35.9
4645	-30.8
4575	-36.5
4495	-35.2
4395	-40.2
4325	-38.7
4135	-44.3
4010	-49.0
3825	-38.0
3805	-42.0
3695	-45.5
3515	-44.4
3240	-46.0
3050	-39.4
2865	-44.2
2625	-46.0
2565	-43.7
2450	-48.9
2320	-47.2
2090	-49.0
1895	-48.3
1865	-47.6
1840	-48.3

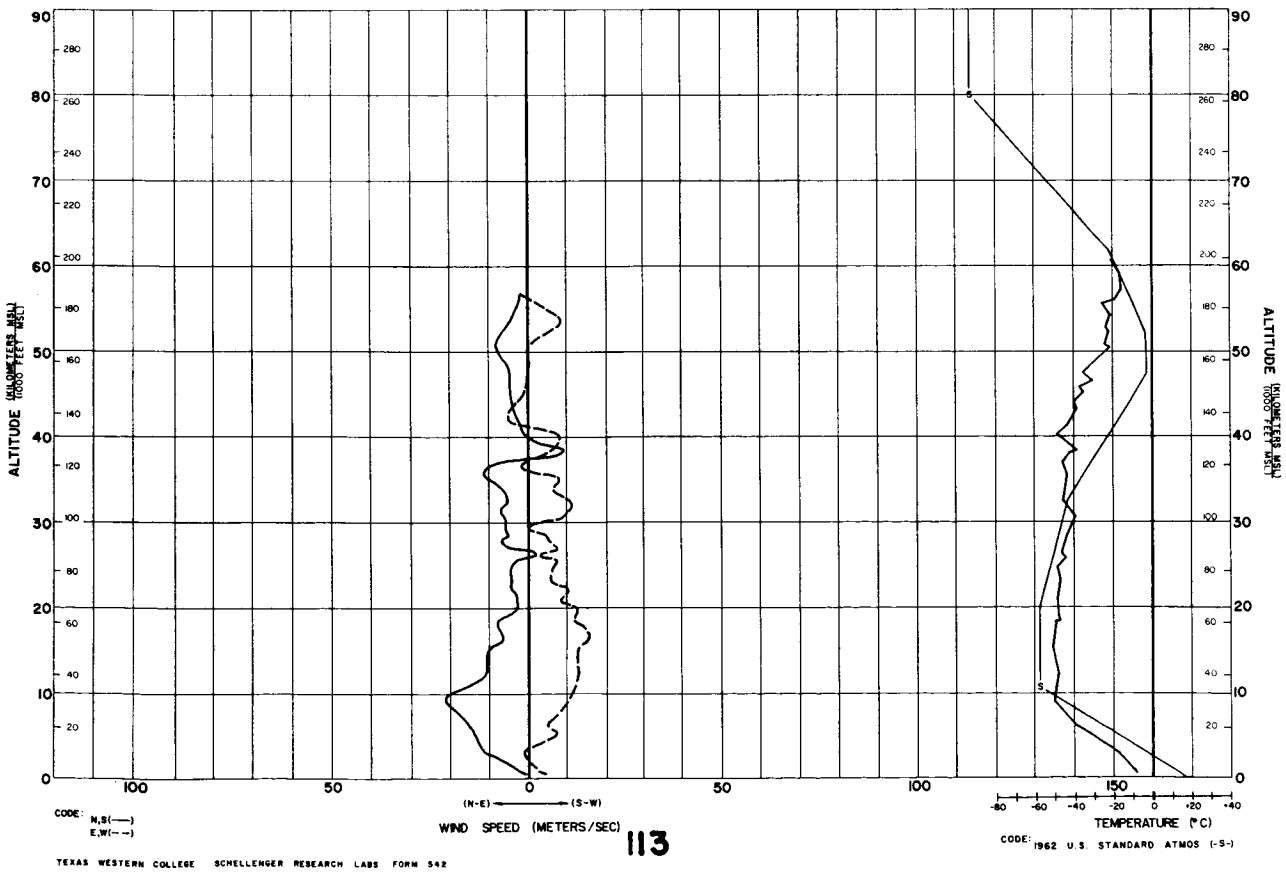
PMB	D	SOS
00.164	00.225	319
00.205	00.278	321
00.262	00.355	321
00.292	00.401	320
00.317	00.444	316
00.385	00.531	318
00.452	00.632	316
00.493	00.685	318
00.592	00.829	316
00.629	00.869	318
00.963	01.414	309
01.085	01.559	312
01.197	01.762	308
01.341	01.963	309
01.548	02.314	306
01.712	02.543	307
02.257	03.436	303
02.719	04.225	300
03.569	05.286	307
03.673	05.536	305
04.319	06.609	302
05.638	08.585	303
08.476	13.000	302
11.204	16.697	306
14.686	22.345	303
20.975	32.168	302
22.929	34.812	304
27.228	42.297	300
33.117	51.060	301
46.843	72.801	300

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.8	3200				-43.2
0011.1	3048	-009	-001		-43.2
0013.9	2896	-007	+005		-44.2
0017.3	2743	-007	+007		-45.3
0021.9	2591	-007	+006		-46.3
0027.8	2438	-008	+006		-47.3
0043.8	2134	-005	+006		-49.7
0069.0	1829	-008	+012		-50.1
0111.2	1524	-009	+013		-50.6
0178.0	1219	-011	+013		-48.1
0284.0	0914	-021	+011		-50.0
0438.0	0610	-015	+005		-38.6
0686.5	0305	-011	-001	52	-18.3
0975.7	0040	-001	+004	90	-07.6
0010.0	3115	-010	-003		-42.8
0050.0	2047	-006	+008		-50.2
0100.0	1594	-007	+015		-51.0
0500.0	0534	-009	+007	48	-36.1
0700.0	0291	-010	-001	63	-17.6



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
22509	PMR, BARKING SANDS, HAWAII	66 02 17	0002	-05	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
080	5220	-001	+029
072	5000	+001	+025
065	4790	+007	+012
053	4430	+009	-008
042	4150	-004	-015
036	3930	-006	-002
033	3720	+012	-003
028	3530	+011	-001
026	3380	+008	-002
023	3220	+005	+009
018	3110	+001	+013
018	3000	+009	+010
016	2900	+009	+007
015	2810	+008	+002
015	2720	+009	-003
012	2630	+005	-006
008	2580	+002	-007
009	2530	+001	-007
009	2410	+001	-007
008	2310	+003	-007
007	2220	+001	-007
006	2130	-003	-003
005	2070	-002	-002
005	2010	-003	-001
005	1940	-001	-004
005	1880	+004	+001

THERMODYNAMICS

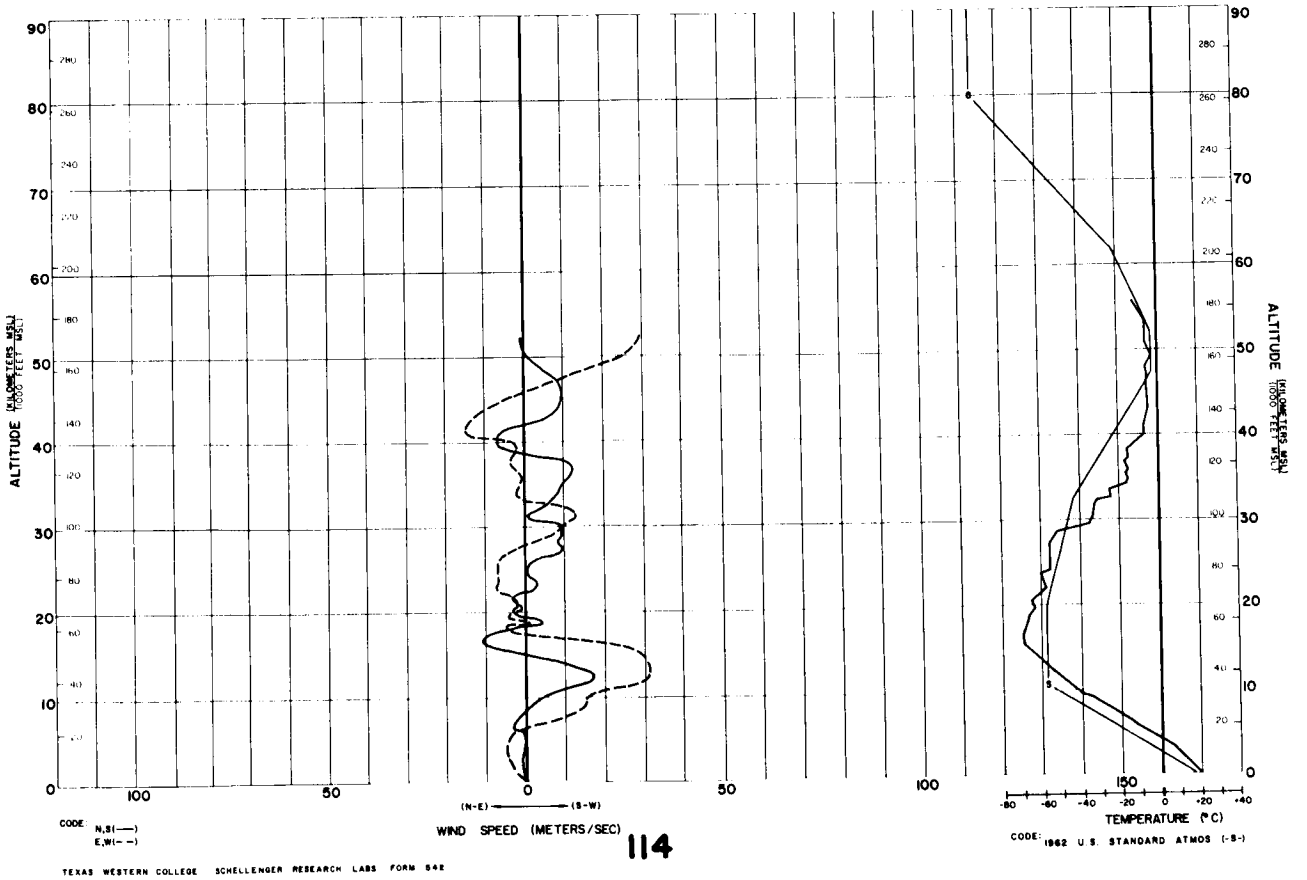
A MSL	TDC	PMB	D	SOS
5520	-12.1	00.447	00.597	324
5340	-07.7	00.563	00.738	327
5080	-07.0	00.783	01.024	327
4900	-03.0	00.981	01.264	329
4790	-05.7	01.126	01.466	328
4670	-05.1	01.309	01.700	328
4610	-06.3	01.412	01.842	327
4340	-05.1	01.983	02.577	328
4300	-05.0	02.086	02.709	328
4090	-07.7	02.719	03.568	327
3990	-07.3	03.088	04.046	327
3930	-11.9	03.334	04.446	324
3840	-14.0	03.747	05.037	323
3810	-15.9	03.897	05.277	322
3720	-15.0	04.385	05.916	322
3660	-17.4	04.744	06.462	321
3570	-15.0	05.340	07.206	322
3530	-16.9	05.628	07.651	321
3470	-15.0	06.090	08.218	322
3410	-16.6	06.589	08.947	321
3320	-25.0	07.434	10.436	316
3250	-24.9	08.177	11.475	316
3210	-31.3	08.642	12.448	312
3180	-32.8	09.013	13.064	311
3030	-33.2	11.134	16.165	311
2960	-35.5	12.296	18.023	309
2860	-52.0	14.251	22.448	298
2720	-55.8	17.691	28.354	296
2410	-56.6	28.711	46.188	295
2380	-59.9	30.103	49.176	293
2190	-57.7	40.662	65.746	294
2040	-66.3			
1980	-64.7			
1890	-67.4			
1830	-67.6			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0012.5	2896	+005	+001		-55.6
0016.9	2743	+001	-003		-54.0
0021.6	2591	+002	-006		-52.6
0027.5	2438	+002	-011		-56.5
0044.0	2134	+000	-003		-65.0
0072.8	1829	-002	-005		-69.0
0123.0	1524	-006	+027		-69.7
0201.0	1219	+017	+031		-54.1
0318.0	0914	+002	+015	10	-35.8
0472.0	0610	-003	+000	33	-14.0
0710.0	0305	-001	-005	10	+07.6
1019.7	0000	+000	+000	82	+19.8
0050.0	2061	+001	-002		-65.9
0100.0	1646	-011	+016		-70.0
0300.0	0955	+003	+015	10	-39.5
0500.0	0583	-001	-003	45	-12.9
0700.0	0318	-001	-005	10	+06.7



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 64E

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
40604	PMR. KWAJALEIN. M.I.	66 02 17	0032	-01	03	01	00			00	5700	2500			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
063	5700	-004	-020
059	5600	-026	-045
030	5500	-028	+000
030	5400	-008	+021
032	5300	+001	-004
030	5200	+000	+006
025	5000	+000	-005
025	4900	-004	-023
024	4800	-005	-028
022	4700	-006	-036
024	4600	+005	-027
018	4500	+006	-031
022	4300	-010	-058
015	4200	-008	-048
016	4000	+008	-045
013	3700	+009	-016
014	3600	+003	-018
015	3500	-005	-014
011	3400	-008	+005
013	3300	+000	-005
012	3200	-002	+012
013	3000	+000	+009
009	2600	+003	+009
010	2500	+000	-010

THERMODYNAMICS

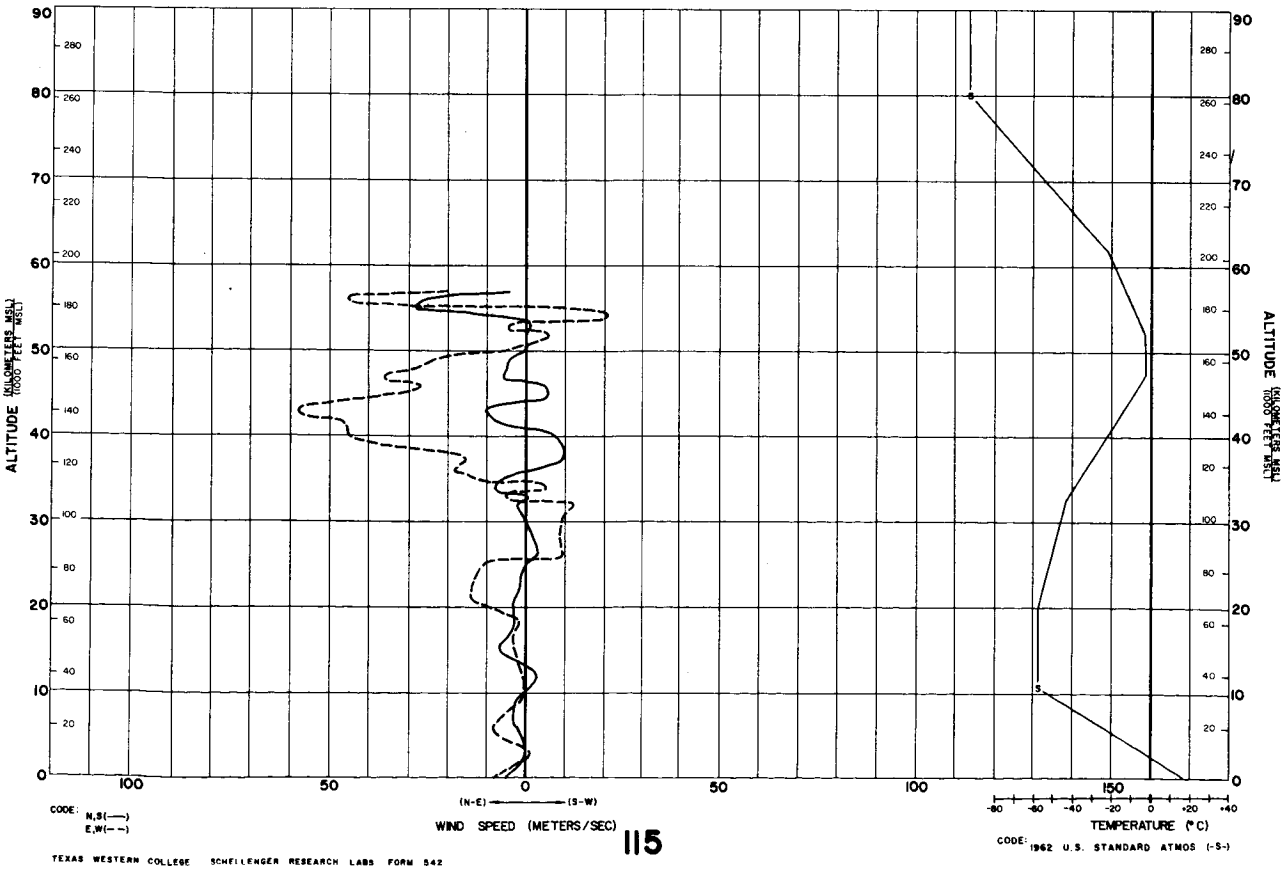
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0011.1	3048	-001	+009		-40.6
0013.9	2896	+002	+006		-48.0
0017.5	2743	+004	+007		-48.0
0022.0	2591	+007	+006		-50.0
0027.8	2438	-008	-015		-54.5
0045.3	2134	-002	-014		-67.7
0075.3	1829	-003	-002		-76.5
0128.3	1524	-007	-003		-72.8
0209.4	1219	+003	-001		-49.9
0325.6	0914	-002	-001		-24.9
0487.0	0610	-003	-008		-04.3
0709.0	0305	+000	+001		+12.5
1011.4	0000	-005	-008	65	+28.5
0050.0	2072	-003	-012		-67.3
0100.0	1668	-004	-003		-79.6
0500.0	0589	-002	-008		-03.5
0700.0	0316	+000	+001		+11.8

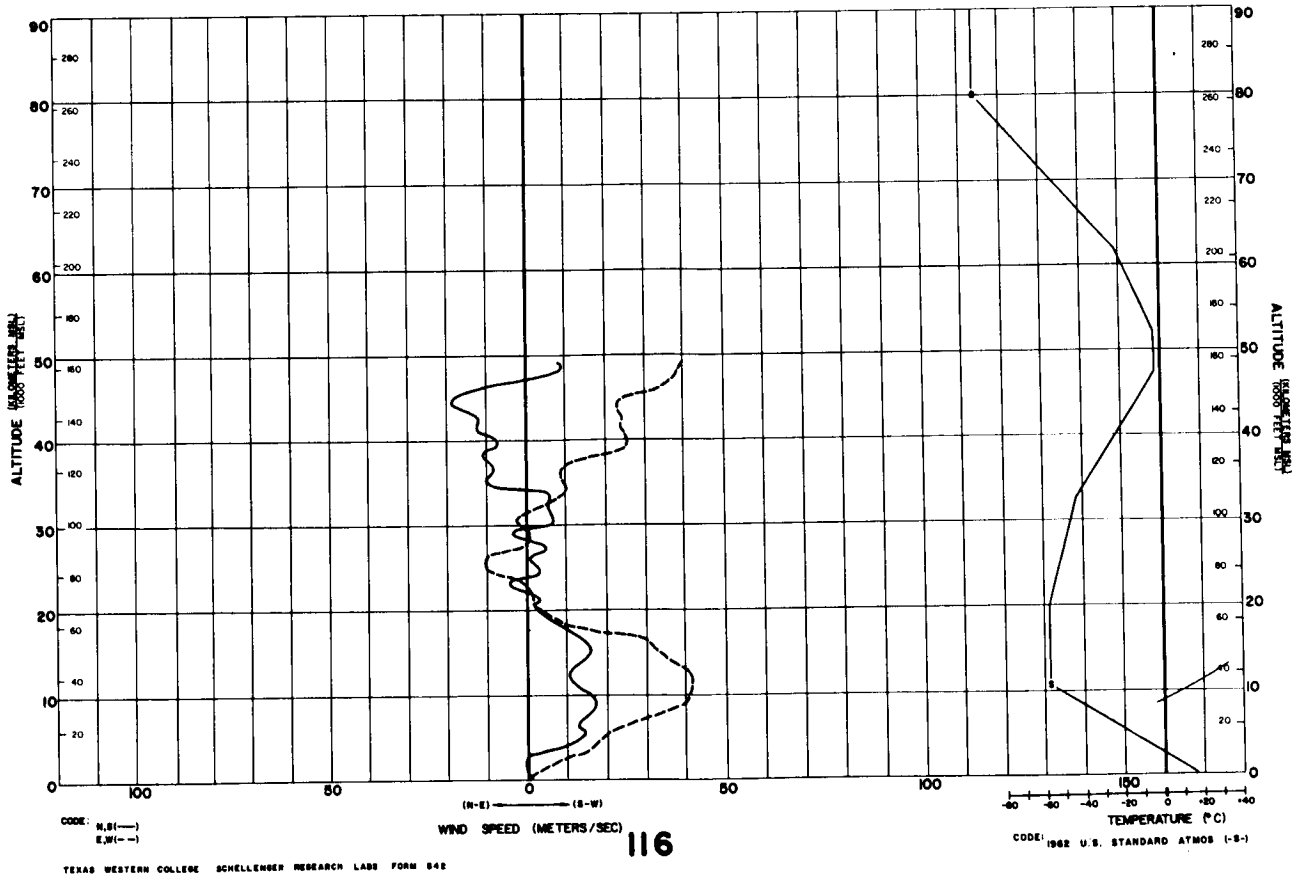


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 17	1500	-04	03	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
078	4907	+008	+040										0007.0	3350	+007	+008		-37.1
076	4877	+009	+039										0008.7	3200	+002	+002		-41.6
071	4724	+001	+037										0010.9	3050	+002	+002		-43.7
058	4572	-015	+031										0013.6	2900	-001	-002		-48.8
043	4420	-018	+023										0017.1	2750	-004	-008		-49.1
048	4267	-012	+024										0021.5	2600	-006	-009		-55.2
042	4115	-012	+024										0027.1	2450	-001	-001		-55.2
037	3962	-007	+026										0045.3	2125	+003	+002		-61.3
034	3810	-011	+021										0074.4	1825	+008	+010		-75.0
026	3658	-008	+009										0123.9	1525	+016	+032		-67.9
022	3505	-010	+009										0201.1	1225	+011	+042	30	-54.1
022	3353	+006	+009										0314.1	0925	+017	+040	30	-33.3
019	3200	+006	+003										0487.8	0600	+013	+023	34	-10.0
016	3048	+007	-002										0709.9	0300	+001	+013	63	+04.1
013	2896	-003	+001										1014.6	0000	+000	+001	95	+18.7
011	2743	+005	-001										0010.0	3086	+003	+004		-43.1
010	2591	+001	-010										0050.0	2054	+002	+002		-65.2
009	2438	+003	-008										0100.0	1646	+014	+029		-72.3
007	2316	-004	-001										0500.0	0579	+014	+022	32	-08.4
													0700.0	0311	+003	+014	50	+03.9

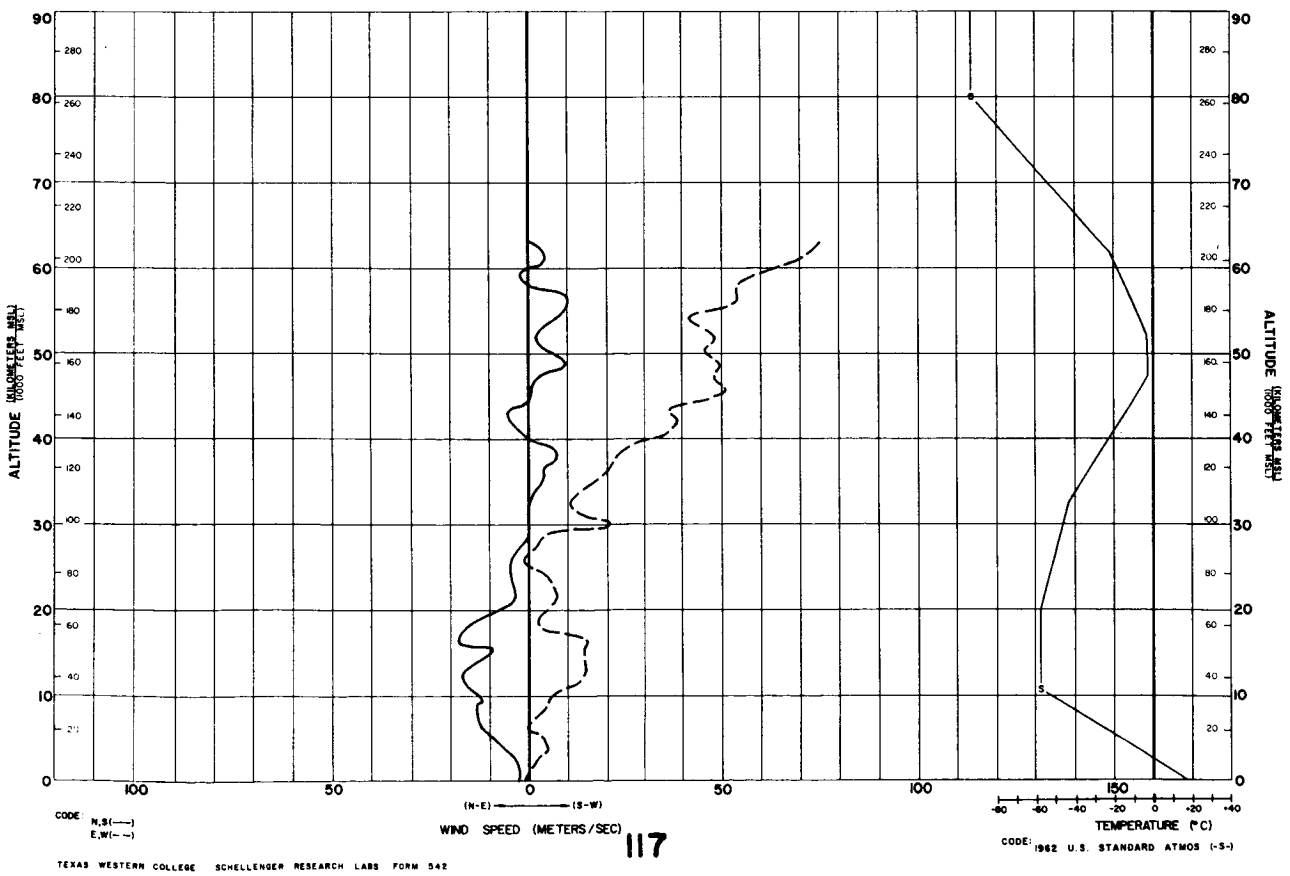


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 848

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93111	PMR. POINT MUGU. CALIF.	66 02 17	1651	-03	03	01	00			00	6298	6298			1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
106	6298	+000	+075										0006.8	3353	-002	+016		-40.7
067	6097	+004	+069										0008.5	3200	+003	+019		-42.3
058	5923	-002	+060										0010.7	3048	+002	+011		-45.7
048	5780	+002	+054										0013.4	2896	+000	+004		-49.1
042	5655	+010	+054										0017.0	2743	-002	+002		-51.2
042	5402	+007	+042										0021.4	2591	-004	-001		-50.9
035	5192	+002	+048										0027.0	2438	-004	+003		-54.2
028	5021	+006	+046										0043.6	2134	-003	+007		-58.7
025	4868	+009	+049										0070.9	1829	-015	+002		-60.7
027	4707	+002	+048										0115.7	1524	-009	+014		-59.7
025	4557	+001	+051										0188.9	1219	-017	+014		-65.3
020	4435	+000	+044										0305.8	0914	-013	+005		-46.0
026	4317	-005	+037										0472.4	0610	-012	+000		-21.9
018	4207	-004	+039										0702.8	0305	-004	+003		-00.5
017	4103	-002	+037										1016.7	0000	-003	-001	67	+04.0
018	3996	+000	+031										0010.0	3081	-001	+009		-44.8
018	3890	+006	+025										0050.0	2041	-005	+006		-60.3
020	3771	+007	+022										0100.0	1612	-018	+015		-62.6
017	3670	+004	+021										0300.0	0926	-012	+005		-47.4
018	3560	+004	+019										0500.0	0567	-011	+002		-18.7
012	3414	+002	+015										0700.0	0308	-005	+004		-00.8
015	3234	+000	+011															
014	3060	+000	+017															
005	2999	+000	+021															

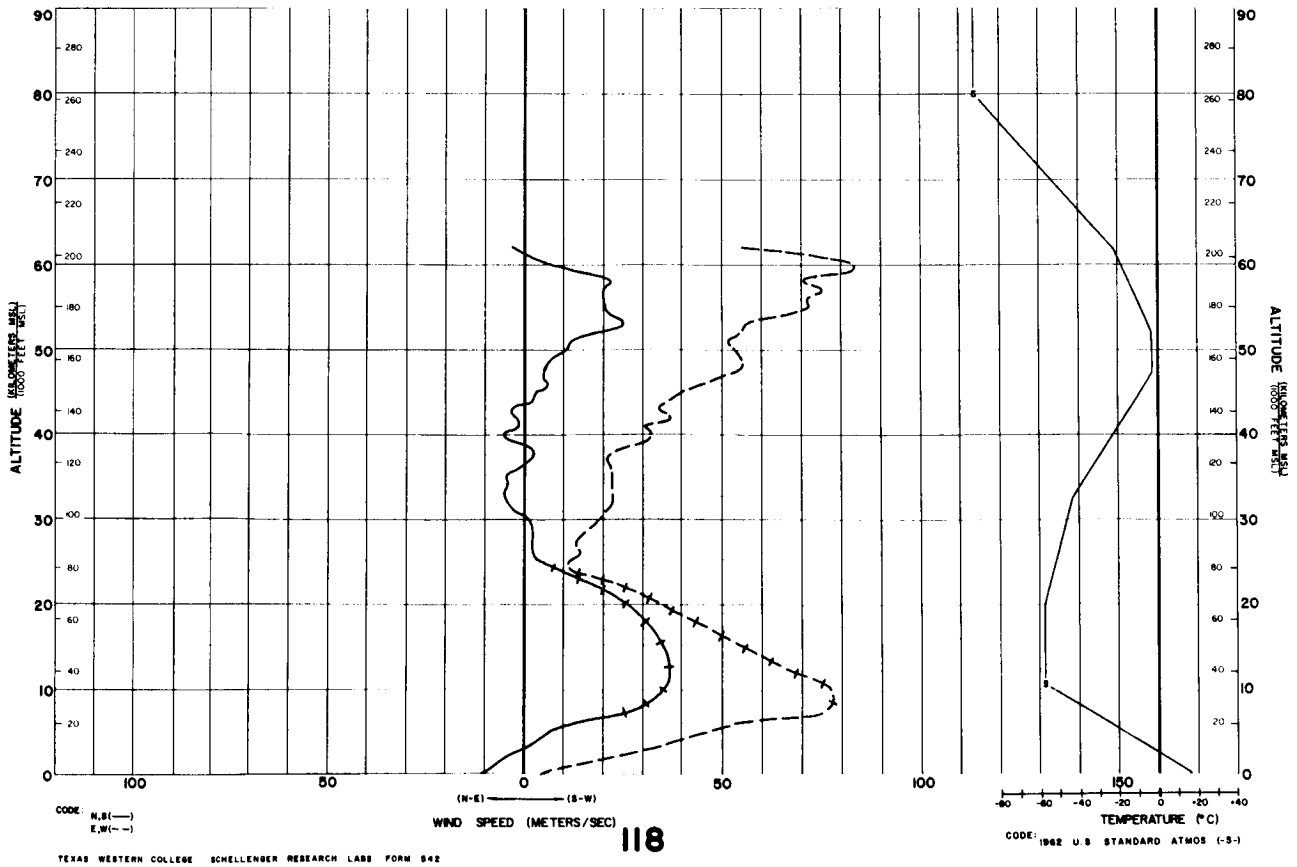


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 17	1815	-01	03	01	00			00	4500	2500			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
105	6200	-003	+055										0007.6	3271				-41.8
080	6100	+001	+073										0020.0	2633				-52.2
067	6000	+007	+083										0024.0	2514				-53.3
067	5900	+016	+081										0030.0	2372				-58.0
061	5800	+022	+071										0044.0	2128				-58.0
053	5700	+020	+075										0047.0	2088				-62.7
049	5600	+020	+072										0070.0	1841				-64.0
044	5500	+020	+072										0080.0	1760				-64.2
046	5400	+022	+066										0094.0	1659				-62.7
040	5300	+025	+056										1015.8	0000	-011	+004	38	+05.6
036	5200	+017	+054										0010.0	3089				-48.5
035	5100	+012	+052										0050.0	2050				-63.0
031	5000	+011	+053										0100.0	1622				-65.3
030	4900	+007	+054										0150.0	1369				-57.0
029	4800	+006	+055										0200.0	1183				-50.0
028	4700	+005	+051										0250.0	1037				-48.9
027	4600	+006	+045										0300.0	0914				-40.5
027	4500	+003	+041										0400.0	0713	+025	+074	20	-27.3
026	4400	+002	+037										0500.0	0550	+009	+050	18	-21.9
026	4300	-003	+034										0700.0	0294	+000	+030	18	-07.8
025	4200	-002	+037										0850.0	0142	-007	+016	25	-08.5
022	4100	-002	+031										1000.0	0013	-009	+006	32	+02.4
018	4000	-005	+032															
018	3900	-002	+030															
020	3800	+002	+023															
020	3700	+001	+021															
019	3600	-001	+022															
018	3500	-004	+022															
017	3400	-004	+022															
016	3300	-005	+022															
015	3200	-004	+022															
015	3100	-003	+021															
014	3000	+001	+019															
013	2900	+002	+017															
012	2800	+002	+014															
011	2700	+002	+013															
011	2600	+002	+014															
011	2500	+004	+012															

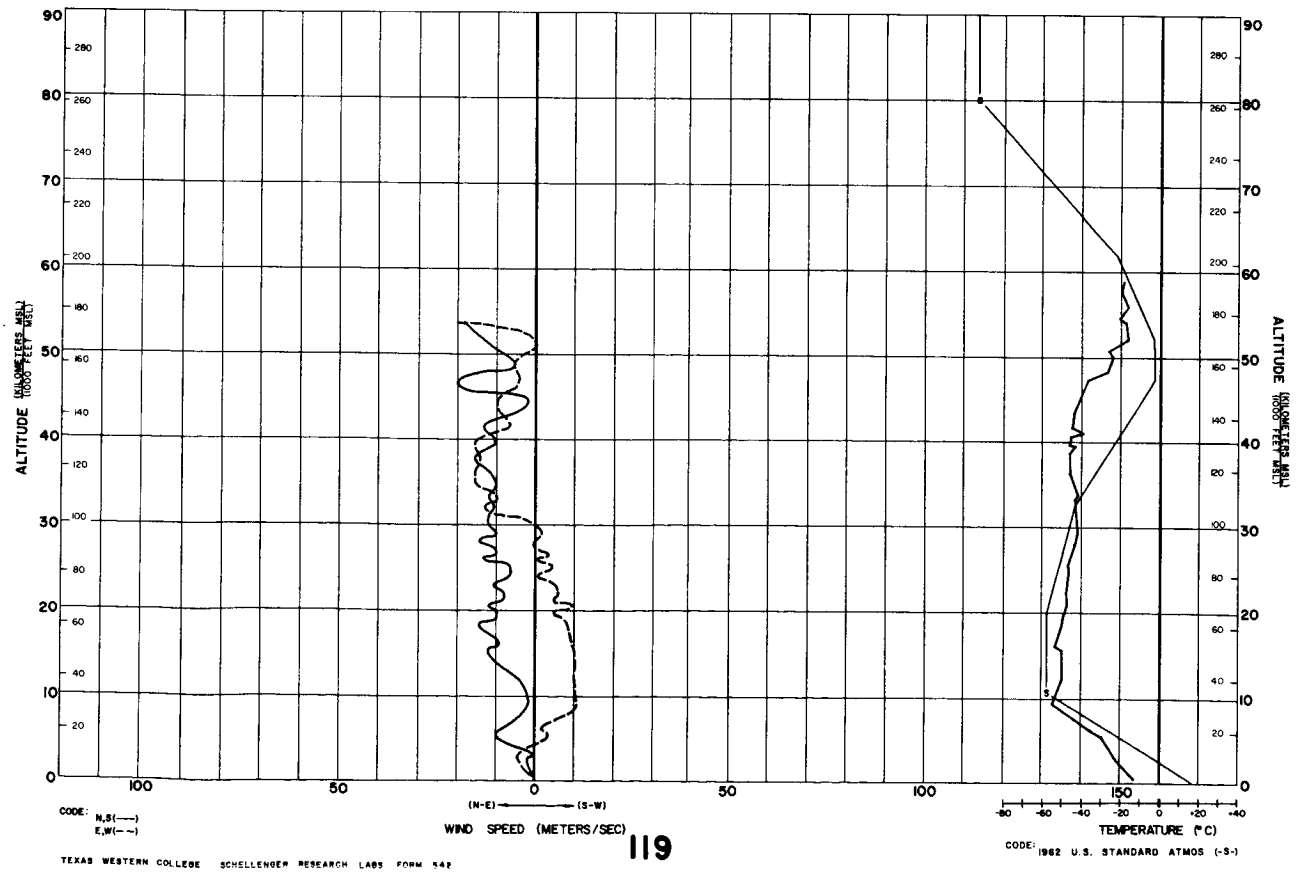


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 17	2000	-03	01	02	12			00	5376	5376			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
096	5376	-018	-020	5875	-18.3	00.207	00.283	320					0011.1	3048	-013	-001		-44.2
086	5103	-012	+000	5750	-18.8	00.244	00.334	320					0013.9	2896	-015	+000		-44.3
068	4872	-006	-006	5575	-15.9	00.308	00.416	322					0017.3	2743	-016	+001		-44.3
061	4679	-020	-004	5450	-20.8	00.363	00.500	318					0021.9	2591	-008	+003		-45.5
050	4440	-002	-010	5400	-17.2	00.387	00.527	321					0027.8	2438	-010	+003		-47.1
039	4176	-013	-007	5205	-16.0	00.500	00.677	321					0043.8	2134	-014	+006		-47.8
034	3959	-011	-016	5075	-25.6	00.595	00.837	315					0069.9	1829	-014	+011		-49.1
029	3770	-016	-014	5000	-23.7	00.658	00.919	317					0110.9	1524	-012	+010		-49.5
027	3602	-012	-016	4820	-26.7	00.840	01.188	315					0176.5	1219	-005	+010		-50.3
023	3451	-010	-015	4735	-35.9	00.946	01.389	309					0282.3	0914	-002	+011		-53.8
021	3321	-012	-010	4330	-43.0	01.696	02.566	304					0446.1	0610	-008	+002	20	-34.9
020	3199	-011	-013	4170	-44.8	02.146	03.273	303					0681.0	0305	-001	-004	40	-22.0
017	3090	-012	-006	4095	-38.6	02.394	03.554	307					0970.9	0040	+000	+000	84	-13.4
016	2992	-012	+000	4045	-44.9	02.574	03.929	303					0010.0	3117	-013	-004		-44.2
014	2902	-010	+002	3975	-45.6	02.856	04.371	302					0050.0	2046	-013	+009		-47.5
016	2818	-014	+000	3935	-43.4	03.029	04.593	304					0100.0	1593	-009	+009		-53.3
012	2741	-011	+000	3840	-46.0	03.486	05.345	302					0500.0	0530	-010	+003	19	-29.3
012	2671	-010	+003	3600	-45.7	04.979	07.625	302					0700.0	0285	-002	-004	47	-21.9
011	2602	-013	+001	3360	-41.7	07.090	10.671	305										
010	2509	-007	+004	3320	-44.2	07.519	11.440	303										
009	2397	-007	+001	2825	-43.1	15.599	23.622	304										
008	2297	-011	+005	2800	-44.4	16.186	24.649	303										
007	2206	-008	+006	2550	-45.8	23.465	35.955	302										
006	2129	-008	+005	2470	-46.3	26.441	40.604	302										
006	2056	-012	+009	2225	-48.2	38.196	59.151	301										
005	1986	-010	+005	2070	-47.0	48.227	74.290	301										
006	1919	-010	+007	1950	-49.0													
005	1852	-014	+008	1865	-49.7													
				1820	-49.7													



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 17	2104	-06	20	02	00								3

ROCKET WINDS

FV	A MSL	COMP	WNDS
043	4114	+009	+035
040	4100	+007	+035
052	4000	+016	+031
045	3900	+003	+027
026	3800	+005	+025
045	3700	+002	+025
039	3600	-003	+026
036	3500	-001	+018
029	3400	+001	+018
028	3300	+001	+023
025	3200	+005	+011
020	3100	+002	+012
013	3000	-001	+009
012	2800	+008	+006
016	2600	+007	+005
013	2400	+003	+008
010	2200	+003	+014
009	2000	+002	+016
008	1800	+006	+021
007	1600	+002	+021
007	1563	+003	+024

THERMODYNAMICS

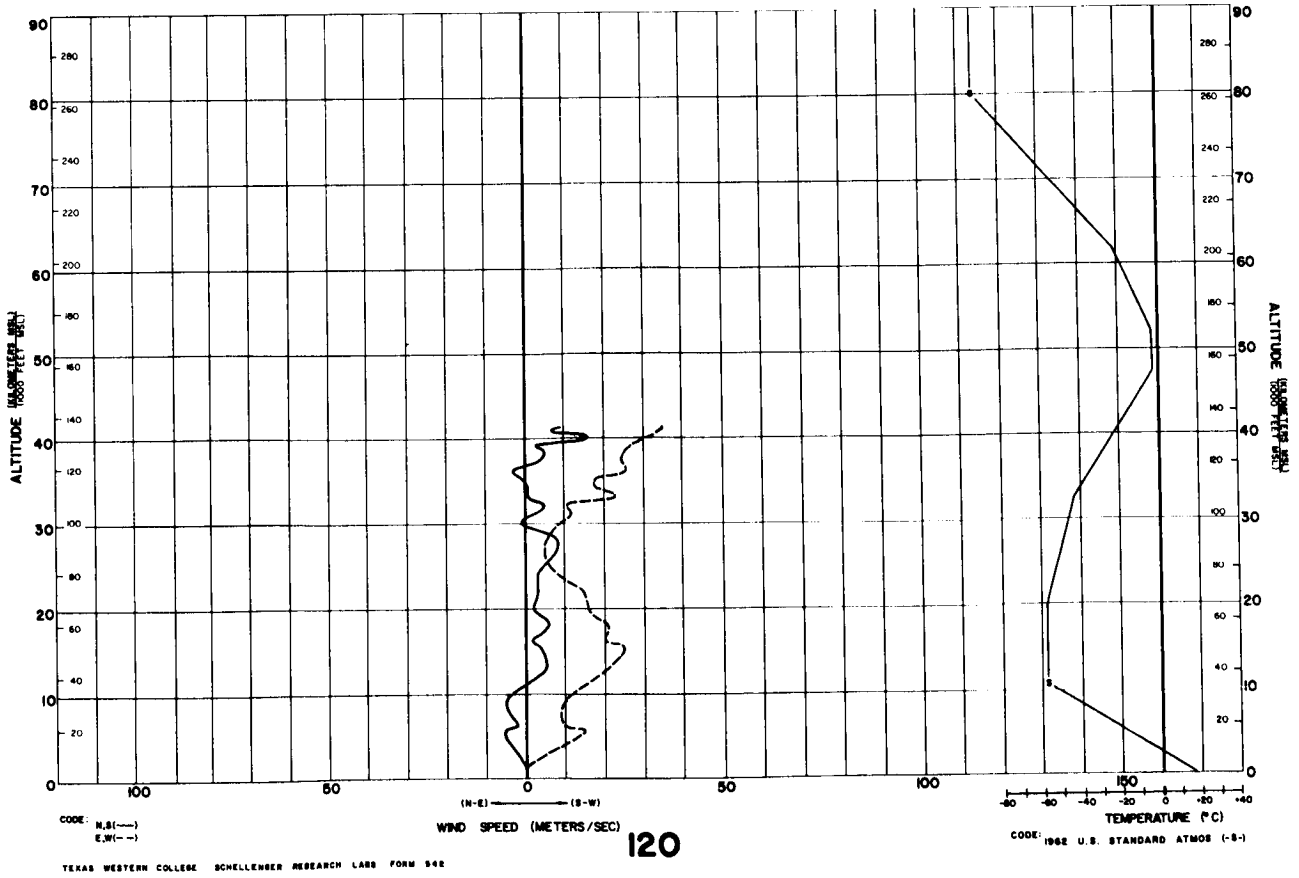
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.7	3200				-42.7
0010.9	3048	+000	+006		-44.1
0013.6	2896	-001	+008		-46.9
0017.1	2743	+002	+008		-49.6
0021.6	2591	+000	+006		-51.9
0027.3	2438	+004	+009		-55.7
0044.1	2134	+005	+016		-57.1
0071.3	1829	+008	+018		-60.1
0115.5	1524	+009	+027		-58.5
0186.3	1219	+004	+019		-52.8
0299.9	0914	-005	+010	02	-50.0
0466.1	0610	-002	+010	33	-27.2
0699.1	0305	-002	+006	20	-04.9
0880.1	0122	+000	+000	46	-03.4
0010.0	3089	+000	+005		-43.1
0050.0	2045	+005	+010		-57.9
0100.0	1612	+005	+023		-59.8
0500.0	0560	-005	+014	34	-23.2
0700.0	0304	-002	+006	20	-04.9

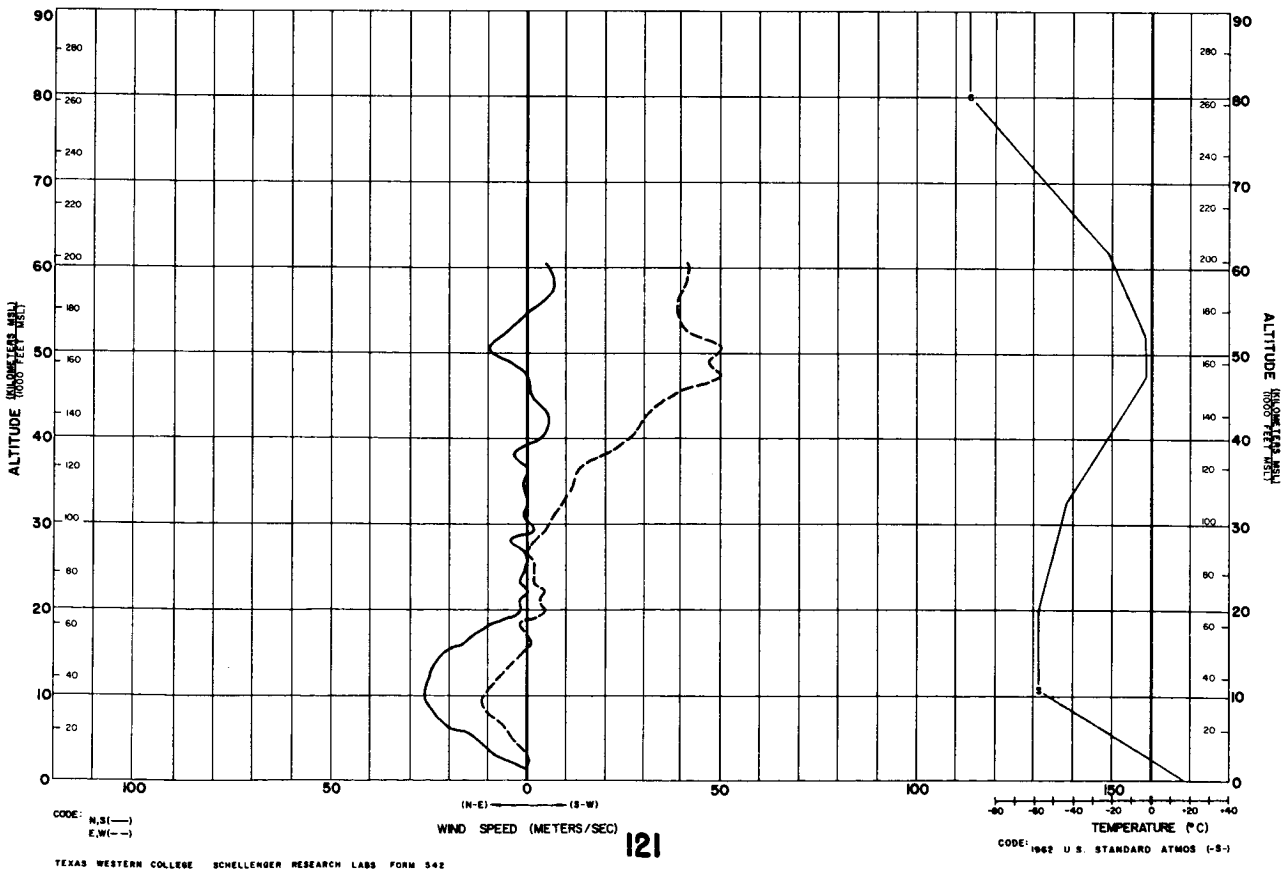


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93132	GREEN RIVER, UTAH	66 02 18	0045	-01	20	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
067	6047	+005	+042										0006.7	3353				-43.5
045	5712	+007	+041										0008.4	3200	-011	+004		-46.0
038	5465	+000	+039										0010.5	3048	-003	+009		-48.7
033	5255	-005	+042										0013.3	2896	-005	-002		-52.1
029	5070	-009	+050										0016.8	2743	-002	-002		-52.3
029	4897	-004	+047										0021.2	2591	-004	-001		-53.0
029	4723	+000	+050										0026.8	2438	-005	+000		-53.7
021	4513	+001	+039										0043.0	2134	-006	+002		-56.0
021	4264	+006	+031										0069.6	1829	-009	-002		-58.4
019	4023	+004	+027										0113.1	1524	-019	+000		-58.8
018	3801	-003	+020										0184.1	1219	-025	-007		-65.7
015	3603	+000	+013										0299.3	0914	-026	-012		-50.1
015	3421	-001	+012										0465.3	0610	-020	-006	37	-26.1
013	3251	+000	+009										0697.4	0305	-008	+000	70	-08.0
013	3092	-001	+007										0869.5	0130	+000	+000	38	+02.6
012	2940	+002	+005										0010.0	3068	-004	+007		-47.9
011	2800	-004	+002										0050.0	2031	-009	+002		-57.8
011	2667	-001	+000										0100.0	1597	-017	+001		-59.1
009	2544	+000	+002										0500.0	0558	-016	-005	35	-21.8
010	2429	-001	+002										0700.0	0302	-008	+000	70	-07.8
010	2312	-002	+002															
008	2204	+000	+004															
009	2100	-002	+003															
008	1996	-002	+004															

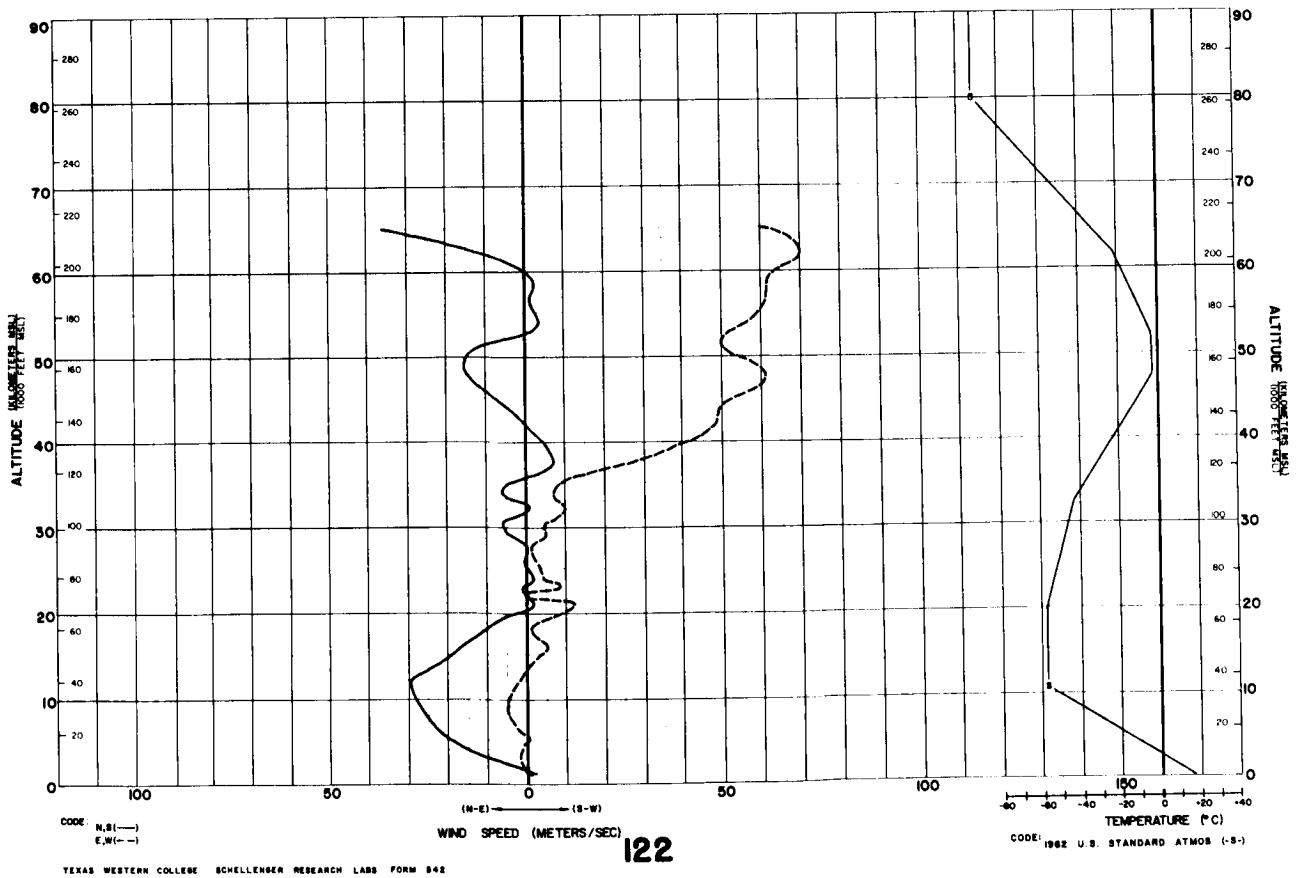


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93132	GREEN RIVER, UTAH	66 02 18	0535	+00	20	01	00			00	6501	6218			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
100	6501	-036	+060										0010.4	3048				-51.0
089	6218	-012	+070										0013.2	2896	-005	+001		-53.7
056	5916	+002	+062										0016.7	2743	+001	+000		-54.5
044	5617	+002	+061										0021.1	2591	-001	+003		-54.0
037	5377	+003	+056										0026.7	2438	-004	+002		-53.7
032	5171	-009	+050										0042.9	2134	-005	+004		-59.2
028	4991	-015	+054										0069.5	1829	-010	+001		-58.8
026	4830	-015	+061										0112.9	1524	-018	+004		-61.4
029	4665	-012	+060										0184.1	1219	-029	-002		-69.5
020	4456	-006	+051										0299.0	0914	-027	-005	10	-50.3
019	4218	+000	+048										0466.7	0610	-022	-002	29	-26.2
019	3988	+005	+041										0698.3	0305	-009	-002	57	-07.0
016	3776	+007	+028										0870.7	0130	+002	+001	65	-03.5
016	3581	+000	+012										0010.0	3061				-50.4
014	3399	-006	+007										0050.0	2031	-012	+000		-57.4
014	3231	+001	+010										0100.0	1596	-017	+005		-62.3
013	3069	-006	+005										0500.0	0559	-020	+000	28	-22.1
011	2925	-004	+005										0700.0	0303	-009	-002	58	-07.0
012	2784	+000	+001															
011	2524	+000	+003															
009	2402	+002	+004															
008	2300	-001	+008															
010	2193	+000	+000															
008	2085	+002	+012															
009	1984	-004	+008															

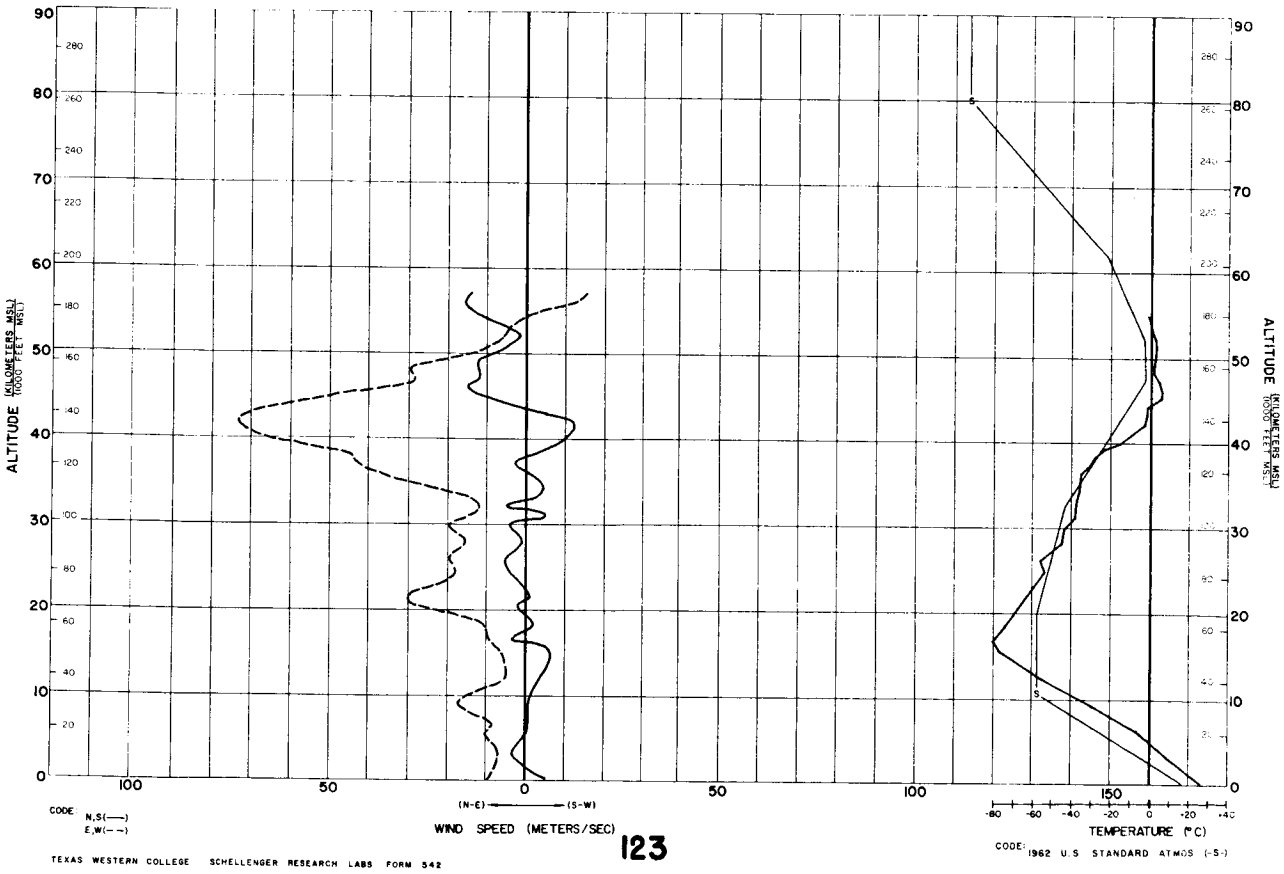


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 18	1430	-03	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
121	5700	-014	+016	5475	-01.3	00.473	00.606	331					0007.1	3353	+002	-014		-35.8
113	5600	-016	+013	5400	-00.9	00.519	00.662	331					0008.8	3200	-003	-012		-37.0
103	5500	-015	+006	5300	+00.8	00.586	00.744	332					0011.0	3048	-004	-018		-42.2
094	5400	-011	-001	5200	+02.0	00.662	00.839	333					0013.7	2896	-004	-023		-44.1
089	5300	-005	-004	5100	+02.0	00.748	00.947	333					0017.3	2743	+001	-014		-49.9
083	5200	-002	-006	5000	+01.8	00.845	01.072	333					0021.8	2591	-001	-013		-55.6
080	5100	-004	-008	4900	+01.2	00.955	01.213	332					0027.6	2438	-004	-018		-51.5
075	5000	-008	-014	4800	+01.4	01.079	01.366	333					0044.5	2134	+001	-030		-64.0
070	4900	-012	-023	4700	+03.7	01.218	01.534	334					0075.0	1829	+002	-011		-73.9
066	4800	-012	-029	4600	+06.4	01.375	01.712	336					0125.8	1524	+006	-007		-77.1
061	4700	-012	-028	4500	+06.4	01.551	01.948	336					0207.0	1219	+004	-005	19	-54.4
057	4600	-015	-035	4400	-01.1	01.753	02.246	331					0324.0	0914	+001	-017	18	-29.8
054	4500	-012	-047	4300	-01.5	01.984	02.545	331					0486.1	0610	+001	-008	15	-05.8
050	4400	-004	-059	4200	-02.7	02.247	02.892	330					0710.4	0305	-003	-007	43	+08.5
046	4300	+005	-069	4100	-08.4	02.550	03.367	327					1005.4	0008	+005	-009	68	+26.6
044	4200	+012	-073	4000	-16.7	02.903	03.928	321					0010.0	3091	-004	-013		-39.8
040	4100	+012	-071	3900	-22.7	03.317	04.609	318					0050.0	2052	-002	-028		-67.8
037	4000	+010	-066	3800	-27.7	03.800	05.384	314					0100.0	1648	-003	-009		-80.8
035	3900	+007	-056	3700	-30.9	04.364	06.283	312					0500.0	0586	+001	-009	15	-04.6
031	3800	+002	-045	3600	-34.4	05.021	07.321	310					0700.0	0316	-003	-007	52	+07.6
029	3700	-002	-043	3500	-35.1	05.784	08.465	310										
027	3600	+000	-039	3400	-35.5	06.665	09.768	309										
025	3500	+003	-033	3300	-36.9	07.684	11.334	308										
023	3400	+004	-023	3200	-37.4	08.866	13.102	308										
021	3300	+003	-015	3100	-37.7	10.230	15.124	308										
020	3200	-005	-012	3000	-43.0	11.829	17.887	304										
018	3100	+005	-014	2800	-44.3	15.878	24.171	304										
017	3000	-004	-019	2600	-56.5	21.484	34.562	295										
014	2800	-001	-016	2450	-53.2	29.084	42.889	298										
011	2600	-005	-019															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 18	1500	+01	20	02	00								3

ROCKET WINDS

FV	A MSL	COMP	WNDS
048	4200	+001	+043
048	4100	-004	+040
044	4000	-014	+037
041	3900	-009	+032
039	3800	-004	+031
034	3700	-005	+026
027	3600	-001	+026
028	3500	-004	+027
026	3400	+009	+024
027	3300	+007	+015
021	3200	+008	+014
020	3100	+006	+010
017	3000	+006	+012
016	2800	+004	+012
012	2600	-004	+004
010	2400	+002	+009
009	2200	-002	+014
007	2000	+000	+009
006	1800	-003	+018

THERMODYNAMICS

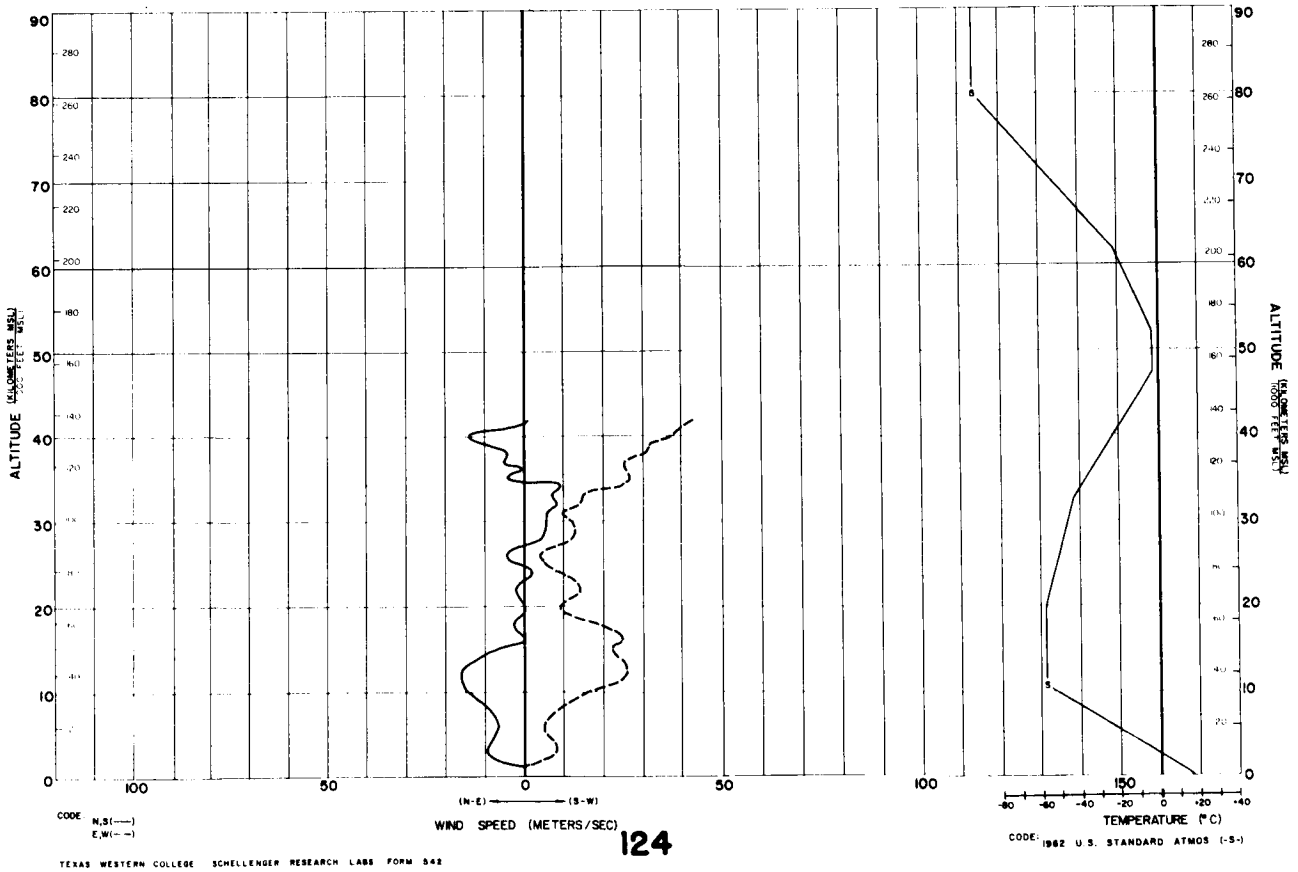
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.9	3048				-42.4
0013.6	2896	+006	+004		-46.9
0017.1	2743	+005	+004		-51.8
0021.6	2591	+001	+005		-50.2
0027.4	2438	+002	+011		-55.1
0044.0	2134	+005	+011		-54.8
0071.2	1829	-003	+019		-56.2
0116.2	1524	-004	+022		-61.8
0189.1	1219	-016	+026		-63.9
0305.1	0914	-012	+013		-46.0
0470.8	0610	-007	+005	27	-22.3
0700.8	0305	-009	+008	33	-01.9
0879.4	0122	+000	+000	40	+00.0
0010.0	3089				-43.4
0050.0	2045	+002	+011		-59.5
0100.0	1613	+000	+025		-63.2
0500.0	0566	-007	+005	27	-18.6
0700.0	0306	-009	+008	33	-01.9

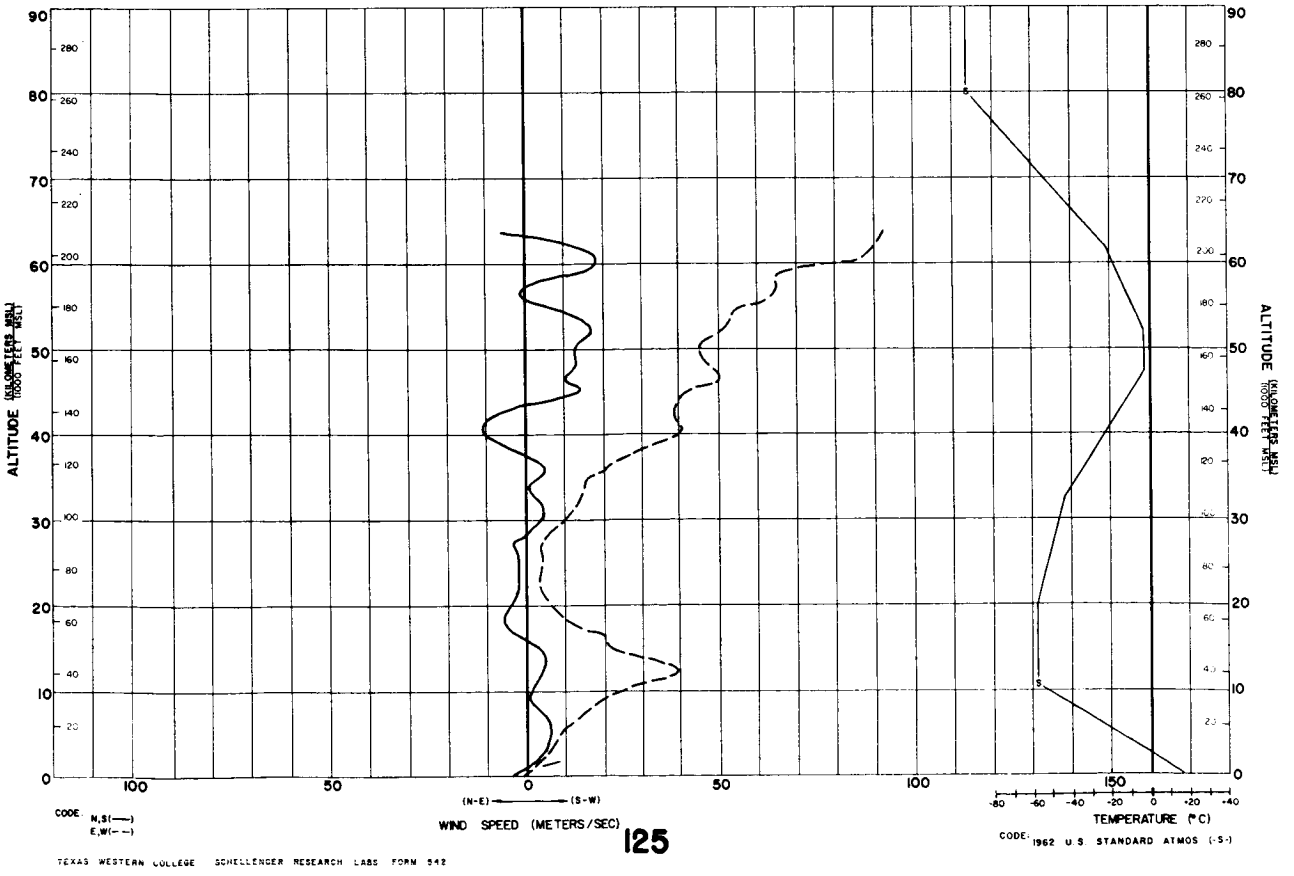


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93111	PMR, POINT MUGU, CALIF.	66 02 18	1720	-04	03	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
123	6381	-006	+092										0008.5	3200	+017	+013		-41.9
105	6067	+018	+087										0010.6	3048	+003	+012		-44.1
071	5853	+009	+065										0013.3	2896	-003	+009		-47.1
061	5670	-001	+064										0016.8	2743	-001	+007		-50.3
030	5579	+001	+062										0021.2	2591	-002	+004		-53.2
041	5457	+009	+055										0026.8	2438	-002	+004		-52.8
044	5192	+017	+050										0043.1	2134	-002	+004		-55.1
030	5012	+013	+046										0070.2	1829	-006	+010		-62.2
030	4832	+013	+047										0114.8	1524	+002	+021	16	-62.2
028	4664	+011	+050										0187.9	1219	+004	+039	21	-64.6
025	4512	+014	+044										0304.5	0914	+001	+020	43	-46.6
023	4375	+001	+040										0471.1	0610	+006	+012		-22.4
026	4216	-008	+039										0701.0	0305	+005	+006		+00.2
027	4054	-011	+041										1015.1	0000	-003	-001	99	+05.2
023	3914	-008	+037										0010.0	3076	+005	+013		-43.8
018	3804	-002	+030										0050.0	2034	-003	+006		-59.9
018	3698	+002	+024										0100.0	1606	-001	+020		-61.4
019	3582	+005	+020										0500.0	0565	+006	+010		-19.7
018	3475	+003	+016										0700.0	0306	+005	+006		+00.1
015	3384	+001	+015															
018	3277	+002	+014															
015	3097	+004	+012															
014	2929	+002	+008															
011	2792	-001	+005															
005	2727	-003	+004															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

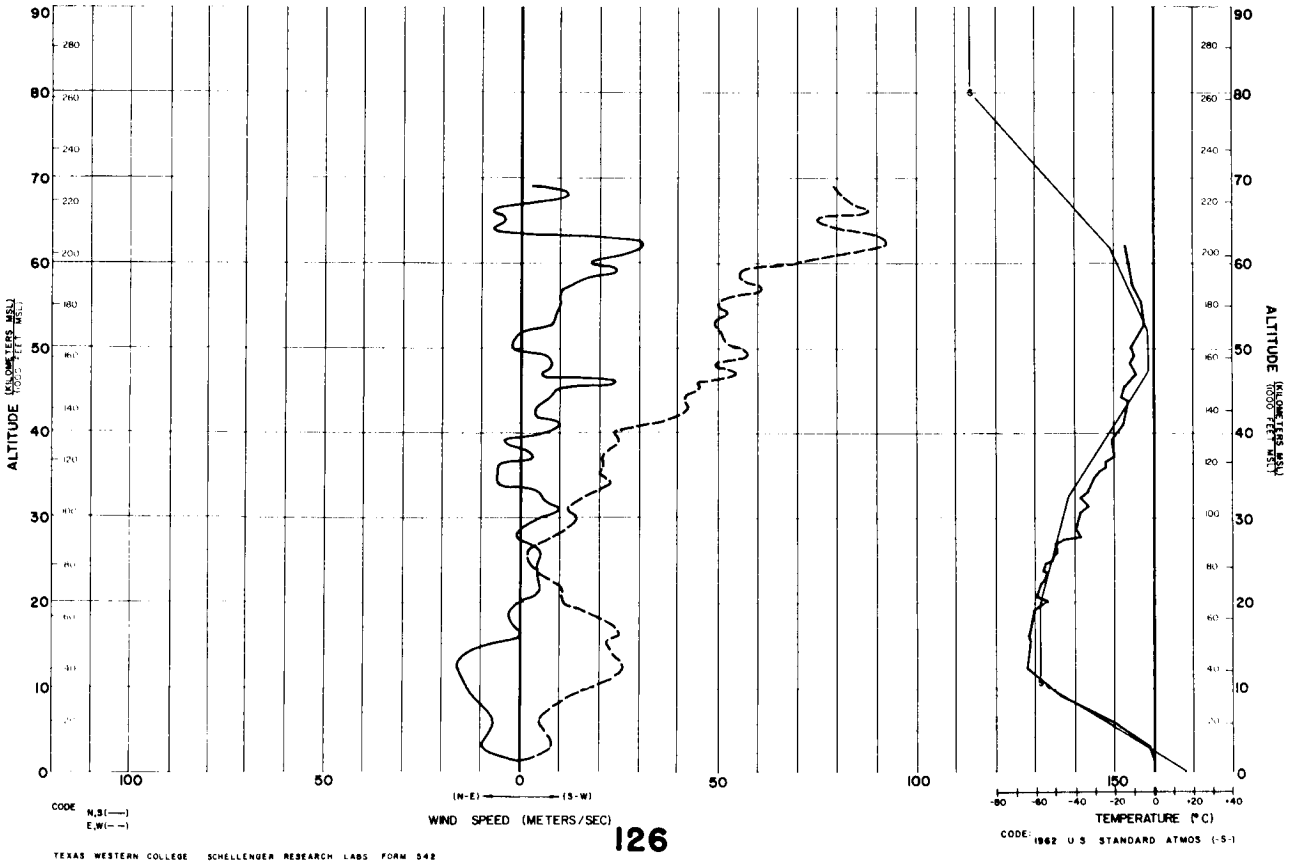
METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 18	1800	-03	01	02	12								3

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
207	6900	+003	+079	6188	-14.4	00.178	00.239	322					0010.9	3048				-42.4
201	6800	+012	+081	5736	-10.7	00.318	00.421	325					0013.6	2896	+006	+004		-46.9
195	6700	+004	+083	5524	-06.0	00.416	00.541	328					0017.1	2743	+005	+004		-51.8
190	6600	-007	+088	5274	-04.5	00.569	00.737	329					0021.6	2591	+001	+005		-50.2
184	6500	-004	+075	5022	-11.1	00.782	01.040	325					0027.4	2438	+002	+011		-55.1
176	6400	-007	+081	4909	-10.4	00.904	01.198	325					0044.0	2134	+005	+011		-54.8
169	6300	+019	+091	4810	-12.3	01.027	01.371	324					0071.2	1829	-003	+019		-56.2
159	6200	+031	+092	4686	-08.7	01.204	01.585	326					0116.2	1524	-004	+022		-61.8
149	6100	+027	+081	4520	-15.1	01.491	02.013	322					0189.1	1219	-016	+026		-63.9
141	6000	+018	+069	4415	-15.9	01.711	02.316	322					0305.1	0914	-012	+013		-46.0
132	5900	+024	+056	4282	-14.4	02.035	02.739	322					0470.8	0610	-007	+005	27	-22.3
124	5800	+016	+056	4091	-15.0	02.611	03.523	322					0700.8	0305	-009	+008	33	-01.9
118	5700	+011	+061	3898	-21.0	03.370	04.656	318					0879.4	0122	+000	+000	40	+00.0
109	5600	+010	+054	3815	-19.9	03.765	05.179	319					0010.0	3089				-43.4
102	5500	+010	+050	3713	-19.9	04.314	05.933	319					0050.0	2045	+002	+011		-59.5
096	5400	+009	+052	3652	-25.1	04.683	06.577	316					0100.0	1613	+000	+025		-63.2
091	5300	+008	+049	3585	-24.7	05.130	07.193	316					0500.0	0566	-007	+005	27	-18.6
085	5213	+002	+050	3533	-27.9	05.509	07.824	314					0700.0	0306	-009	+008	33	-01.9
075	5044	-002	+052	3450	-30.8	06.180	08.883	312										
072	5000	-002	+056	3297	-33.1	07.658	11.114	311										
068	4900	+007	+057	3212	-36.8	08.641	12.736	308										
064	4800	+008	+049	3123	-33.4	09.805	14.248	310										
060	4700	+006	+054	3067	-36.7	10.618	15.643	308										
057	4600	+024	+045	2876	-39.0	13.975	20.792	307										
054	4500	+010	+045	2784	-36.5	15.953	23.483	308										
051	4400	+007	+042	2763	-46.3	16.450	25.261	302										
048	4300	+004	+043	2691	-50.0	18.333	28.620	299										
044	4200	+004	+040	2584	-48.5	21.555	33.425	300										
040	4100	+010	+033	2567	-50.9	22.118	34.668	299										
036	4000	+006	+024	2484	-52.0	25.110	39.555	298										
033	3900	-004	+025	2465	-54.6	25.857	41.215	296										
031	3800	+001	+023	2377	-55.6	29.649	47.476	296										
029	3700	+003	+021	2344	-53.7	31.207	49.539	297										
027	3600	-006	+021	2249	-54.5	36.152	57.599	296										
026	3500	-006	+020	2210	-56.5	38.418	61.774	295										
023	3400	-006	+023	2067	-58.9	48.123	78.246	293										
021	3300	+004	+019	2012	-54.4	52.456	83.538	296										
020	3200	+006	+015	1984	-57.8													
018	3100	+010	+012	1920	-60.8													
017	3000	+005	+014	1856	-61.0													

ROCKET (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
013	2800	-001	+009					
010	2600	+005	+002					
009	2400	+004	+003					

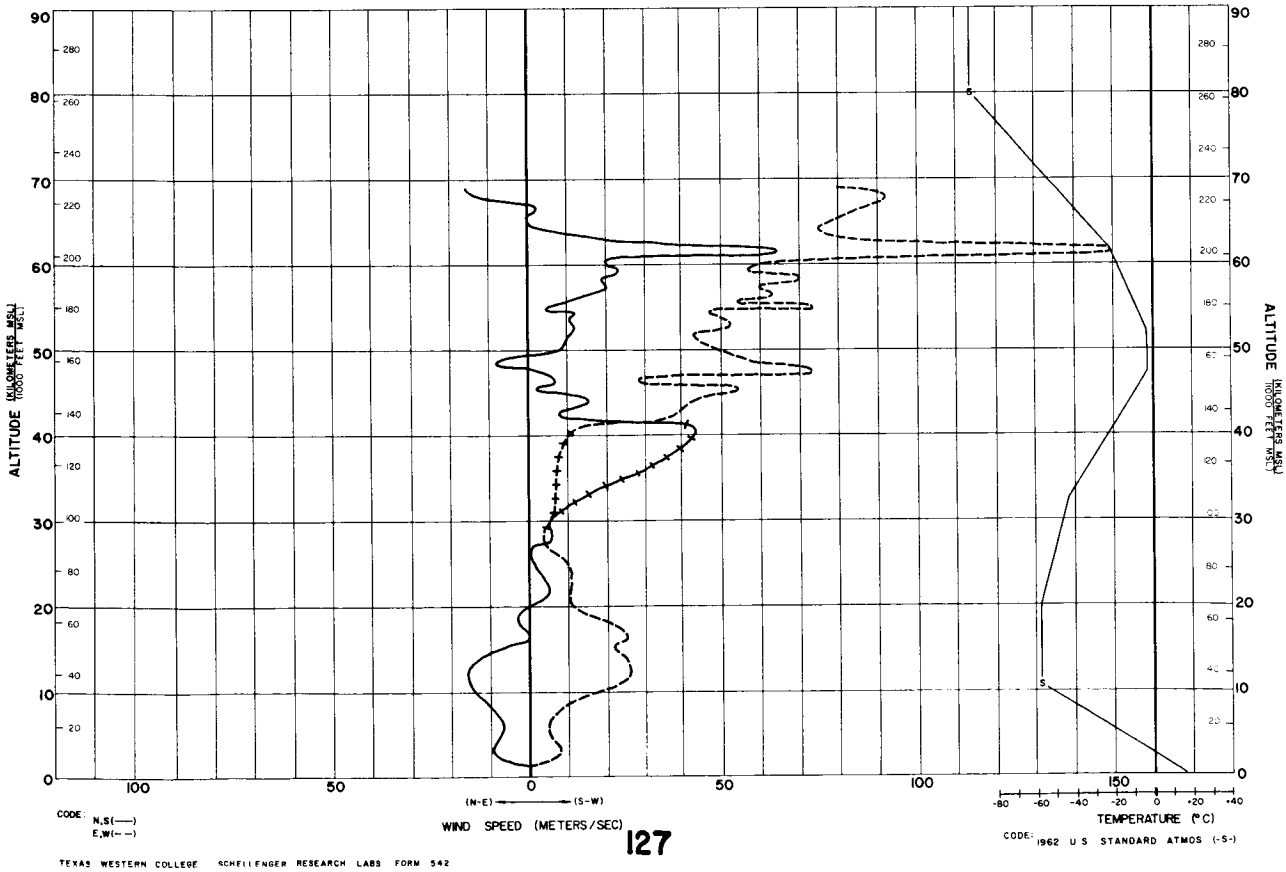


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 18	1805	-03	20	01	00			00	6895	4139			1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
073	6895	-016	+080										0010.9	3048				-42.4
042	6776	-010	+092										0013.6	2896	+006	+004		-46.9
017	6660	+002	+087										0017.1	2743	+005	+004		-51.8
023	6538	+000	+081										0021.6	2591	+001	+005		-50.2
020	6407	+004	+075										0027.4	2438	+002	+011		-55.1
024	6273	+023	+087										0044.0	2134	+005	+011		-54.8
016	6152	+064	+149										0071.2	1829	-003	+019		-56.2
018	6052	+020	+079										0116.2	1524	-004	+022		-61.8
021	5934	+023	+057										0189.1	1219	-016	+026		-63.9
013	5832	+019	+070										0305.1	0914	-012	+013		-46.0
022	5729	+020	+060										0470.8	0610	-007	+005	27	-22.3
012	5628	+015	+063										0700.8	0305	-009	+008	33	-01.9
018	5538	+009	+054										0879.4	0122	+000	+000	40	+00.0
002	5477	+005	+073										0010.0	3089				-43.4
015	5425	+012	+047										0050.0	2045	+002	+011		-59.5
011	5347	+011	+051										0100.0	1613	+000	+025		-63.2
012	5279	+012	+052										0500.0	0566	-007	+005	27	-18.6
012	5171	+011	+043										0700.0	0306	-009	+008	33	-01.9
016	5003	+008	+049															
010	4845	-008	+058															
008	4735	+004	+073															
009	4634	+007	+028															
011	4516	+002	+054															
010	4391	+016	+043															
013	4253	+008	+039															
012	4139	+039	+016															

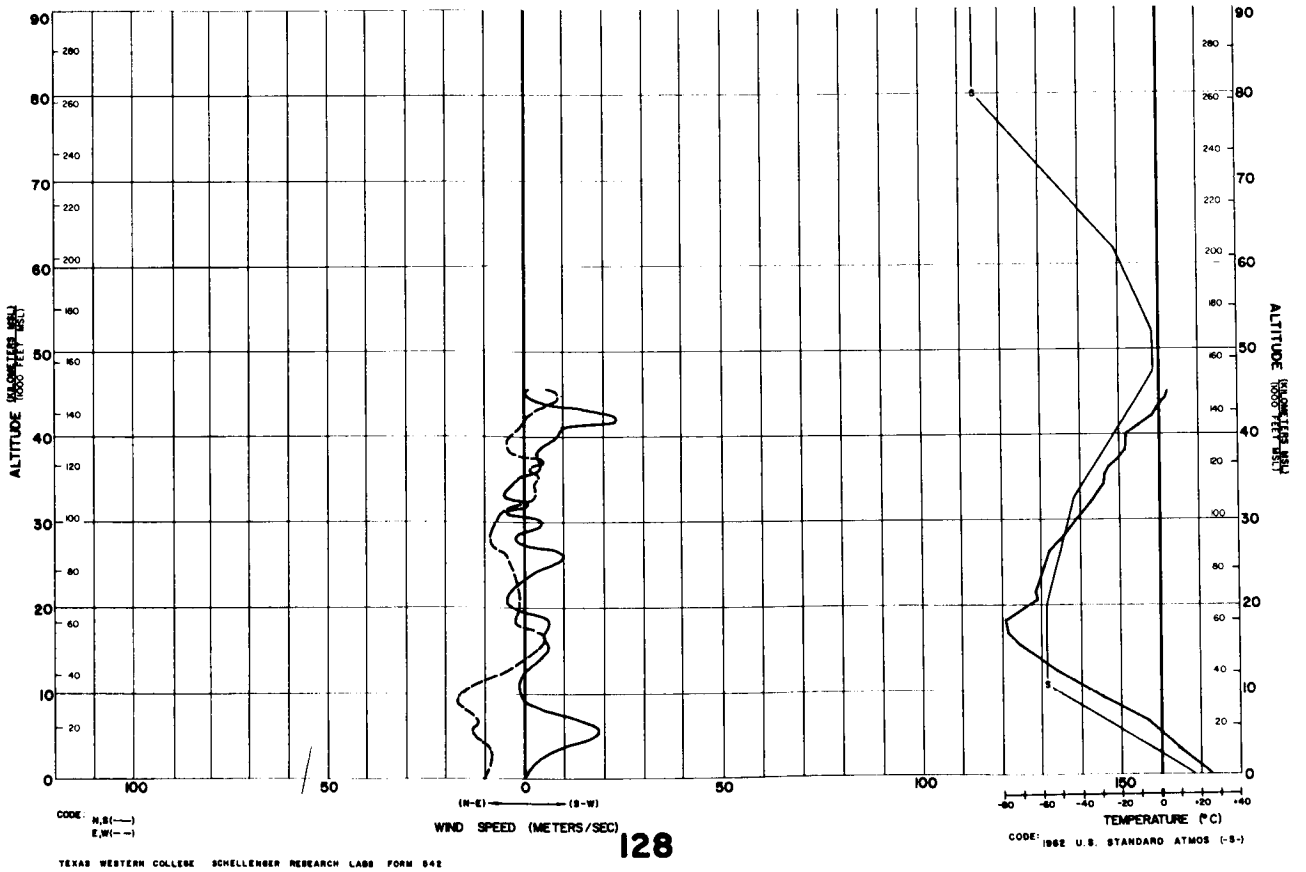


TEXAS WESTERN COLLEGE SCHEILENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12714	AFETR, GRAND TURK ISLAND AAFB	66 02 18	1835	-06	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
048	4525	+001	+006	4475	+04.7	01.564	01.962	335					0007.1	3353				-32.3
049	4500	+000	+008	4400	+03.3	01.713	02.157	334					0008.8	3200	+003	-001		-40.3
048	4400	+003	+008	4300	-00.6	01.937	02.471	331					0011.0	3048	+002	-006		-48.3
045	4300	+016	+003	4200	-03.1	02.194	02.834	330					0013.9	2896	-001	-005		-48.5
042	4200	+023	+000	4100	-09.9	02.490	03.292	326					0017.5	2743	+003	-008		-48.2
039	4100	+010	-001	4000	-15.8	02.835	03.838	322					0022.0	2591	+010	-010		-56.4
037	4000	+008	-003	3900	-16.2	03.231	04.381	322					0028.0	2438	+002	-002		-58.1
034	3900	+006	-004	3800	-16.4	03.684	04.995	322					0045.2	2134	-004	-001		-62.7
032	3800	+003	-003	3700	-20.4	04.205	05.808	319					0074.9	1829	+006	-002		-77.9
029	3700	+004	+005	3600	-25.2	04.813	06.759	316					0126.8	1524	+006	+004		-71.2
027	3600	+004	+002	3500	-27.0	05.517	07.806	315					0206.9	1219	+000	-006	28	-52.2
025	3500	-001	+004	3400	-27.9	06.328	08.978	314					0323.8	0914	+000	-017	28	-29.5
023	3400	-003	+003	3300	-31.3	07.271	10.478	312					0486.1	0610	+017	-012	27	-06.9
022	3300	-005	+003	3200	-33.8	08.365	12.153	311					0710.4	0305	+007	-008	28	+08.7
020	3200	+001	-001	3100	-37.5	09.647	14.268	308					1015.2	0000	+000	-010	72	-24.6
018	3100	-004	-006	3000	-42.4	11.147	16.778	305					0010.0	3092	+003	-005		-47.7
016	3000	+004	-007	2800	-48.5	15.019	23.285	301					0050.0	2060	-004	-001		-61.4
013	2800	-002	-008	2600	-55.2	20.350	32.521	296					0100.0	1656	+005	+005		-76.7
010	2600	+010	-004	2475	-57.5	24.806	40.084	295					0500.0	0586	+018	-013	27	-06.4
009	2475	+006	-003										0700.0	0316	+007	-008	28	+07.8

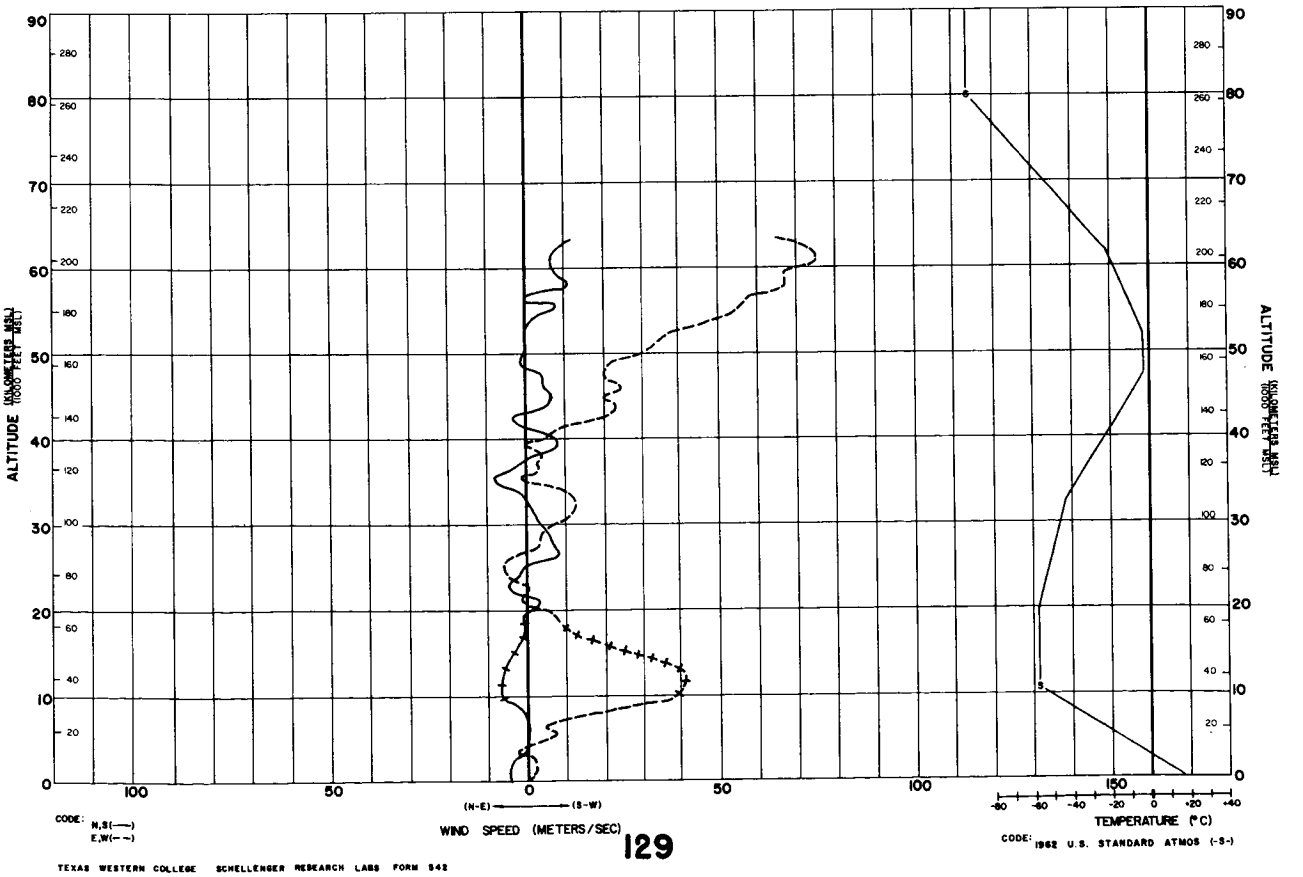


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
22509	PMR, BARKING SANDS, HAWAII	66 02 18	1920	+04	03	01	00								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
080	6330	+012	+065										0027.5	2438				-56.6
066	6110	+007	+075										0044.0	2134				-60.3
053	5930	+008	+067										0073.0	1829				-69.7
043	5790	+011	+067										0122.9	1524				-68.5
043	5640	+000	+058										0199.0	1219				-54.5
035	5530	+008	+056										0314.0	0914	-003	+032	30	-39.0
033	5430	+003	+052										0478.0	0610	+000	+005	10	-15.6
031	5240	+000	+038										0704.0	0305	-002	+001	10	+05.3
028	5060	+000	+033										1012.7	0000	-004	+000	49	+27.4
026	4900	-001	+023										0050.0	2057				-62.6
025	4750	+004	+020										0100.0	1641				-71.2
023	4600	+005	+024										0300.0	0946	-005	+037		-40.3
022	4470	+007	+020										0500.0	0576	+000	+007	10	-13.5
018	4340	+004	+023										0700.0	0310	-001	-002	10	+05.0
018	4250	-003	+020															
018	4130	+001	+009															
018	4030	+007	+006															
019	3920	+008	+000															
017	3800	+002	+004															
014	3720	-001	+003															
012	3630	-004	+003															
011	3520	-008	-001															
018	3380	-002	+010															
014	3200	+001	+013															
011	3050	+003	+010															
011	2900	+006	+004															
010	2740	+007	+003															
010	2670	+008	-002															
011	2500	+000	-006															
009	2390	-002	-004															
008	2290	-004	+000															
008	2210	-003	+000															
008	2100	+003	-001															
008	2010	+001	+004															
008	1900	-001	+008															

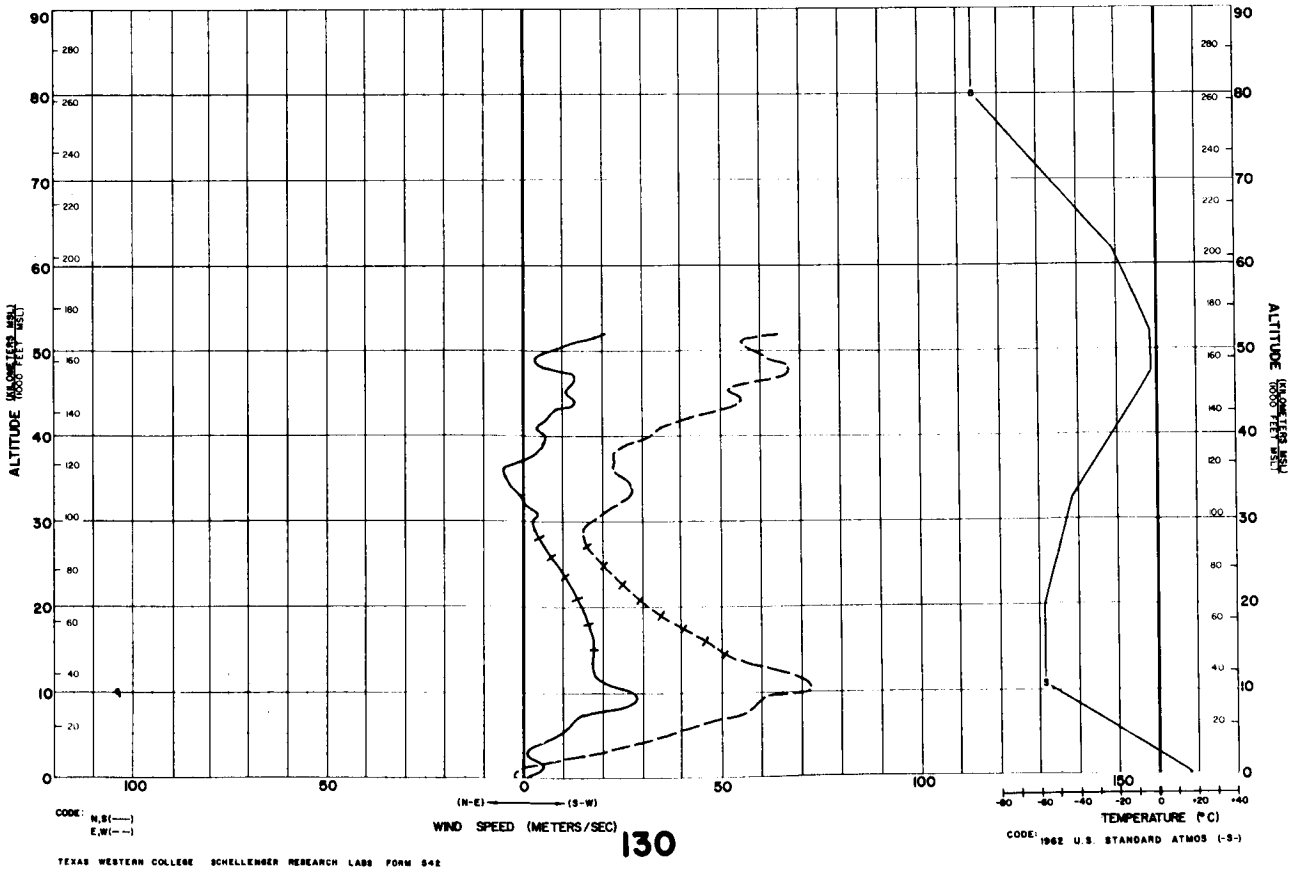


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 18	1950	-03	06	01	00			00	4300	2900			1

	ROCKET WINDS			THERMODYNAMICS				COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
028	5200	+021	+064										0009.0	3158				-45.0
026	5100	+013	+055										0012.0	2968				-52.3
025	5000	+007	+058										0016.0	2780				-51.9
026	4900	+003	+062										0019.0	2669				-57.1
024	4800	+006	+067										0020.0	2636				-56.9
023	4700	+013	+065										0030.0	2376				-54.9
021	4600	+012	+055										0033.0	2315				-58.4
019	4500	+011	+052										0040.0	2193				-55.9
018	4400	+013	+055										0051.0	2040				-60.2
018	4300	+008	+051										0070.0	1841				-62.1
019	4200	+006	+042										0084.0	1731				-63.2
018	4100	+003	+035										0098.0	1644				-60.2
017	4000	+006	+032										1024.3	0000	+001	-002	79	+04.4
017	3900	+005	+027										0010.0	3087				-47.4
016	3800	+003	+023										0050.0	2051				-59.8
015	3700	-001	+023										0100.0	1620				-60.9
015	3600	-005	+023										0150.0	1366	+017	+054		-58.9
015	3500	-004	+025										0200.0	1185	+018	+067		-60.8
014	3400	-003	+027										0250.0	1044	+024	+072		-52.8
013	3300	-001	+027										0300.0	0923	+028	+060		-42.8
012	3200	+000	+024										0400.0	0722	+014	+054	57	-26.1
011	3100	+003	+021										0500.0	0588	+011	+041	20	-20.8
012	3000	+002	+017										0700.0	0302	+001	+020	19	-07.9
012	2900	+002	+015										0850.0	0150	+005	+002	31	-03.5
													1000.0	0020	+002	-002	33	+03.0



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 18	2034	-03	01	02	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
028	3608	-012	-034
024	3494	-009	-030
022	3357	-008	-030
019	3230	-010	-030
018	3126	-010	-021
018	3014	-012	-020
015	2915	-012	-015
014	2829	-012	-018
013	2749	-012	-021
012	2673	-009	-019
012	2601	-009	-017
010	2505	-010	-010
009	2389	-011	-005
008	2287	-008	-003
008	2193	-012	-004
006	2109	-015	+000
006	2035	-010	+000
006	1965	-009	+001
006	1896	-010	+004
005	1831	-010	+009

THERMODYNAMICS

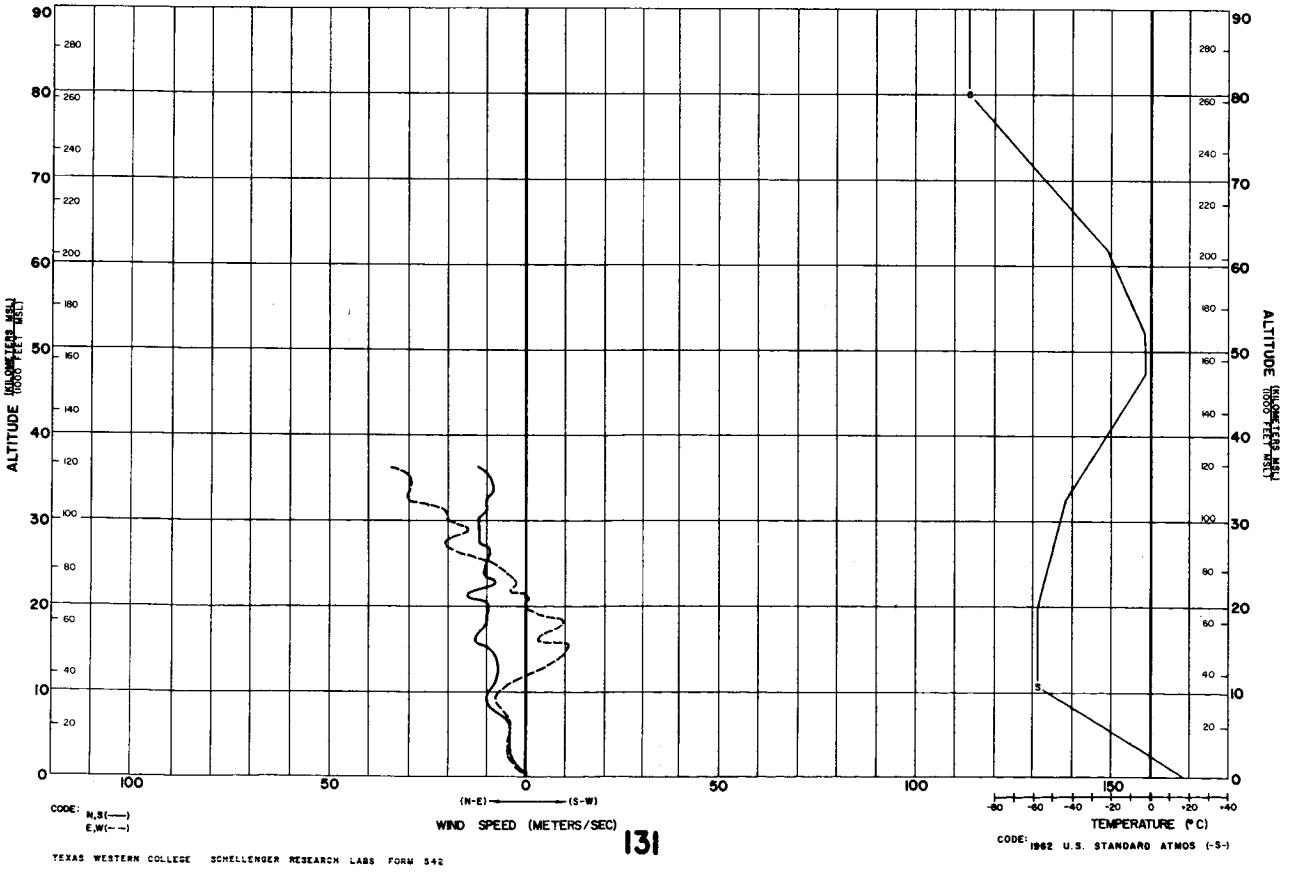
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0007.2	3353	-004	-030		-44.7
0009.0	3200	-011	-015		-43.2
0011.3	3048	-006	-022		-41.6
0014.2	2896	-011	-015		-39.4
0017.6	2743	-011	-018		-38.5
0022.0	2591	-007	-016		-40.9
0027.8	2438	-010	-006		-43.2
0043.6	2134	-011	+003		-47.8
0069.2	1829	-011	+002		-48.0
0109.9	1524	-011	+011		-48.0
0174.9	1219	-007	+002		-47.8
0278.9	0914	-010	-008		-54.8
0442.8	0610	-004	-004	35	-38.3
0678.5	0305	-004	-005	41	-22.3
0971.2	0040	+000	+000	75	-22.0
0010.0	3131	-007	-021		-42.8
0050.0	2044	-011	+002		-48.0
0100.0	1587	-013	+003		-48.0
0500.0	0525	-004	-004	35	-32.9
0700.0	0282	-004	-005	47	-21.8



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93111	PMR. POINT MUGU. CALIF.	66 02 19	1055	-05	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
121	5701	+012	+059
102	5396	+015	+061
087	5134	+014	+048
073	4914	+008	+044
061	4548	-002	+043
049	4256	+002	+043
041	4009	+005	+038
036	3795	+008	+030
029	3618	+008	+023
027	3457	+008	+016
023	3320	+007	+016
021	3195	+009	+014
018	3088	+005	+009
018	2981	+002	+006
016	2887	+001	+003
014	2804	-002	+002
014	2722	-004	+004
013	2646	-002	+005
011	2582	-001	+005
009	2469	-001	+005
010	2347	+000	+006
007	2265	+001	+007
007	2182	+001	+006
007	2103	+000	+007
006	2033	-001	+007
006	1966	-002	+008
006	1899	-001	+012
006	1832	-002	+015
003	1798	-004	+015

THERMODYNAMICS

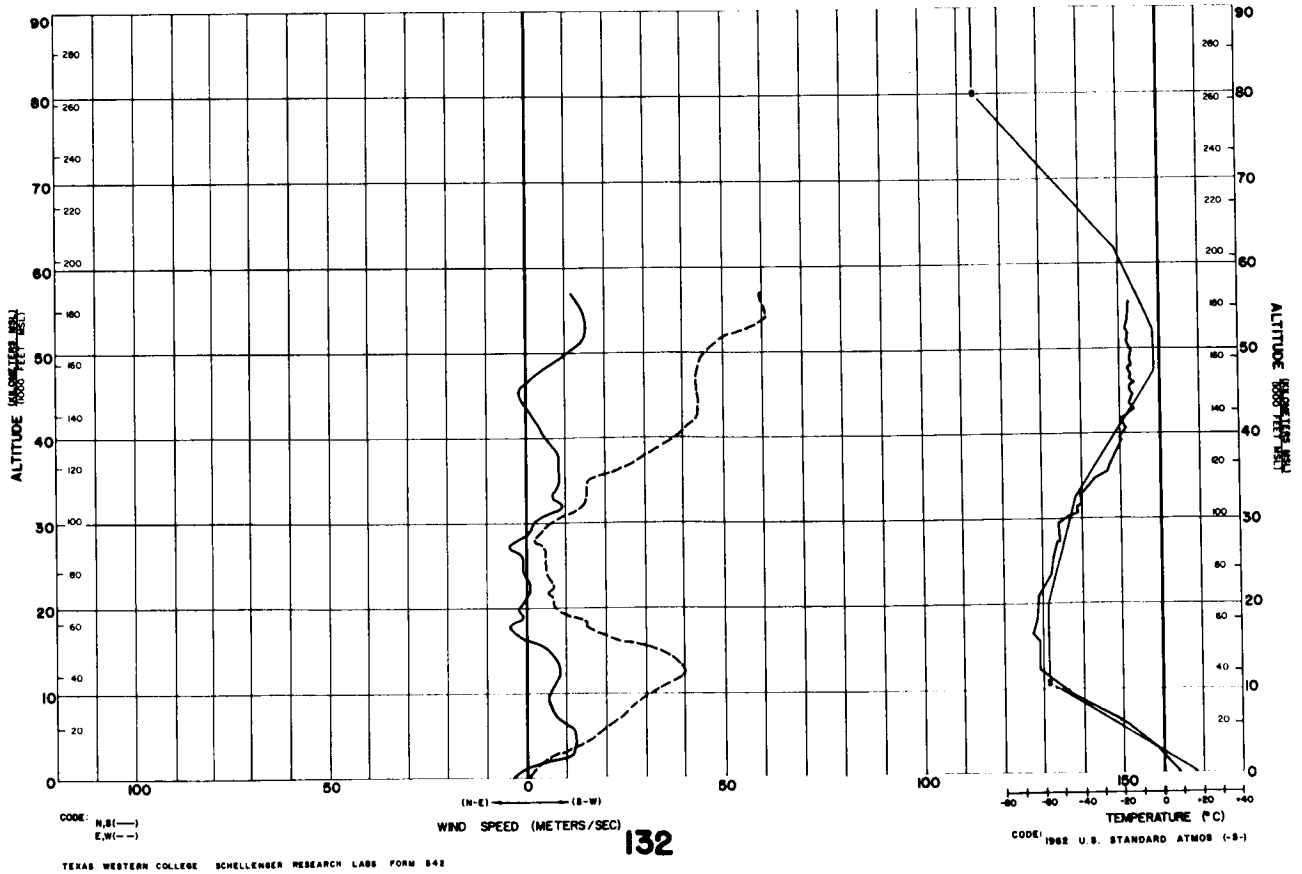
A MSL	TDC	PMB	D	SOS
5514	-15.3	00.360	00.493	322
5313	-16.2	00.470	00.645	321
5255	-17.1	00.510	00.699	320
5182	-16.4	00.560	00.768	321
5075	-16.5	00.650	00.885	321
4990	-14.9	00.720	00.985	322
4871	-15.0	00.850	01.153	322
4819	-14.9	00.910	01.234	322
4785	-15.7	00.950	01.293	321
4688	-14.9	01.080	01.467	322
4654	-15.0	01.130	01.534	322
4599	-12.0	01.220	01.629	324
4572	-12.5	01.260	01.692	323
4542	-15.0	01.310	01.778	322
4508	-15.0	01.370	01.857	322
4456	-13.7	01.470	01.980	323
4368	-15.4	01.650	02.239	321
4279	-12.3	01.860	02.485	323
4176	-19.2	02.130	02.928	319
4051	-17.2	02.520	03.434	320
3947	-20.2	02.890	03.992	318
3911	-19.1	03.040	04.175	319
3688	-24.6	04.110	05.772	316
3627	-25.0	04.470	06.286	315
3536	-28.5	05.080	07.237	313
3441	-33.0	05.800	08.420	310
3377	-37.8	06.360	09.419	307
3255	-41.8	07.600	11.451	305
3176	-41.0	08.540	12.823	305
3124	-43.9	09.220	14.019	303
3075	-42.9	09.910	15.007	304
3036	-47.8	10.520	16.271	301
2957	-52.0	11.870	18.714	298
2765	-51.2	15.960	25.063	298
2713	-52.8	17.290	27.346	297
2521	-54.9	23.310	37.222	296
2356	-55.5	30.160	48.296	295
2064	-62.8	48.100	79.684	290

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0026.7	2438	-001	+007		-55.9
0043.2	2134	+001	+008		-61.1
0070.6	1829	-002	+007		-62.8
0115.8	1524	+004	+031		-61.6
0188.0	1219	+008	+040	46	-61.9
0304.0	0914	+006	+028	46	-46.6
0470.0	0610	+011	+021	50	-21.9
0700.2	0305	+012	+009	50	-03.1
1017.0	0000	-003	+001	92	+08.9
0050.0	2036	+000	+002	\	-62.0
0100.0	1611	+000	+023	\	-65.0
0300.0	0922	+005	+028	46	-47.3
0500.0	0563	+012	+019	48	-18.8
0700.0	0305	+012	+009	50	-03.2

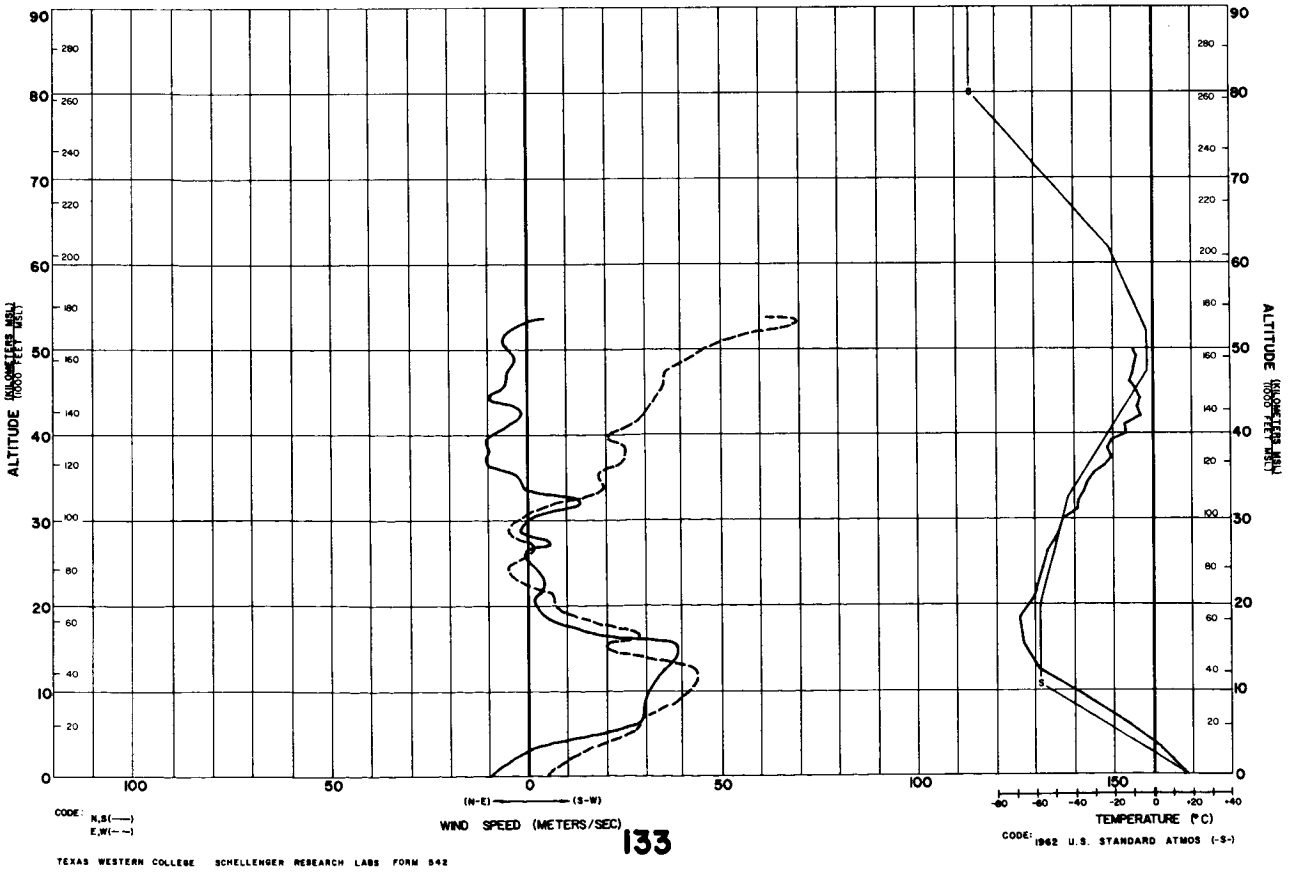


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 19	1312	+01	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
085	5364	+004	+062	5000	-09.9	00.836	01.106	326					0014.0	2896	+002	-003		-49.2
084	5334	+001	+069	4900	-08.3	00.949	01.249	327					0017.6	2743	+003	-001		-50.4
078	5182	-006	+056	4800	-09.7	01.078	01.425	326					0022.2	2591	+005	-003		-52.6
071	5029	-006	+047	4700	-10.3	01.225	01.623	325					0028.1	2438	+003	-005		-56.4
064	4877	-003	+041	4600	-11.1	01.392	01.850	325					0045.4	2134	+003	+006		-59.5
058	4724	-005	+036	4500	-09.0	01.581	02.085	326					0074.1	1829	+006	+015		-68.8
053	4572	-006	+035	4400	-06.8	01.795	02.347	328					0122.5	1524	+038	+020		-66.9
048	4420	-009	+033	4300	-07.4	02.036	02.670	327					0200.1	1219	+035	+043	40	-57.8
043	4267	-002	+030	4200	-07.0	02.311	03.025	327					0316.2	0914	+030	+040	35	-33.3
039	4115	-004	+027	4100	-13.6	02.626	03.525	323					0478.8	0610	+028	+028	38	-14.7
034	3962	-010	+021	4000	-13.0	02.989	04.003	324					0704.7	0305	+001	+015	44	+03.1
031	3810	-010	+025	3900	-21.0	03.409	04.710	319					1015.6	0000	-009	+008	75	+17.2
028	3658	-010	+023	3800	-22.7	03.898	05.422	318					0050.0	2062	+002	+007		-60.4
024	3505	-003	+018	3700	-20.5	04.456	06.144	319					0100.0	1640	+020	+028		-67.2
022	3353	-001	+019	3600	-25.2	05.098	07.163	316					0500.0	0575	+026	+028	67	-12.2
019	3200	+013	+008	3500	-30.1	05.848	08.382	313					0700.0	0310	+001	+016	42	+02.8
017	3048	+002	-001	3400	-33.9	06.725	09.793	310										
015	2896	-002	-005	3300	-34.9	07.745	11.325	310										
012	2743	+006	+001	3200	-38.3	08.932	13.250	308										
010	2591	-001	+000	3100	-38.6	10.313	15.318	307										
009	2438	+002	-005	3000	-46.2	11.937	18.324	302										
008	2377	+003	-004	2800	-48.8	16.130	25.048	301										
				2600	-54.0	21.884	34.789	297										
				2408	-56.2	29.500	47.371	296										



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 19	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
110	5476	-018	+018
086	5182	+000	+000
072	4945	-022	-004
056	4669	-008	+005
046	4362	-008	-020
036	4117	-003	-012
031	3917	+002	-010
027	3741	+002	-008
025	3585	-007	-024
023	3443	-007	-017
021	3312	-004	-020
018	3195	-008	-018
015	3094	-002	-014
017	2998	+001	-017
014	2905	-001	-012
012	2825	-004	-011
013	2750	+002	-010
010	2680	+004	-008
011	2585	+002	-012
010	2463	-001	-014
009	2352	-007	-015
008	2255	-009	-010
007	2170	-011	-009
006	2092	-011	-005
006	2017	-014	-002
006	1948	-009	-001
005	1886	-012	+000

THERMODYNAMICS

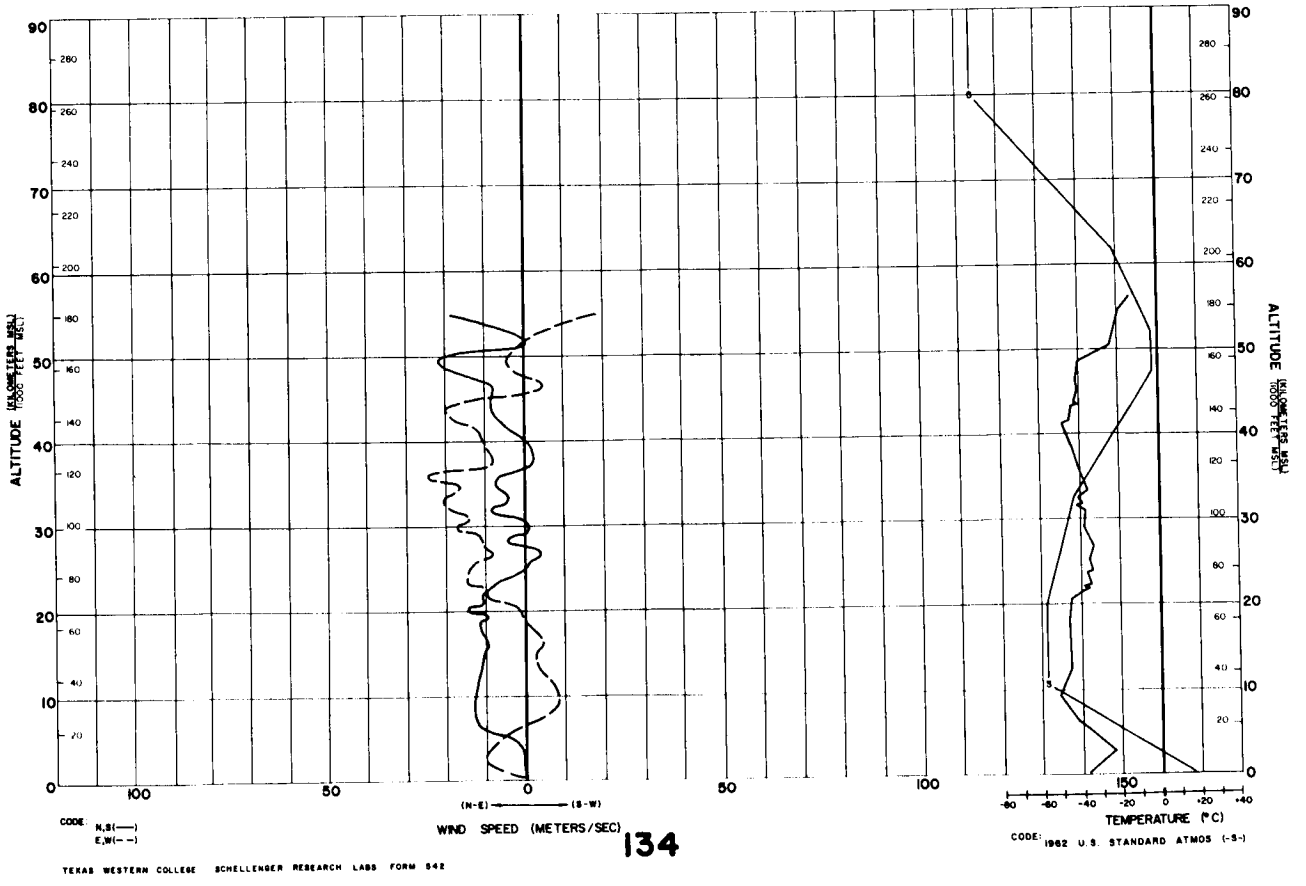
A MSL	TDC	PMB	D	SOS
5600	-13.9	00.307	00.411	323
5440	-19.4	00.378	00.518	319
5035	-24.2	00.650	00.908	316
4835	-40.4	00.859	01.285	306
4640	-41.4	01.139	01.712	305
4500	-40.3	01.396	02.088	306
4395	-42.9	01.626	02.460	304
4340	-40.4	01.762	02.636	306
4305	-44.2	01.854	02.821	303
4145	-46.9	02.350	03.618	302
4125	-49.6	02.421	03.773	300
3805	-44.6	03.904	05.950	303
3740	-42.4	04.296	06.485	305
3335	-37.2	07.721	11.400	308
3230	-40.1	08.984	13.429	306
3185	-39.4	09.589	14.291	306
3150	-41.1	10.089	15.146	305
3090	-37.9	11.005	16.296	307
2880	-36.9	14.877	21.937	308
2665	-33.1	20.198	29.311	311
2495	-36.4	25.719	37.844	308
2380	-34.0			
2370	-37.7			
2200	-35.1			
2195	-37.9			
2190	-35.7			
2140	-39.8			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0007.3	3353	-004	-024		-41.9
0009.1	3200	+000	-019		-42.9
0011.5	3048	+006	-017		-40.3
0014.3	2896	+002	-019		-39.3
0017.8	2743	+002	-018		-39.7
0022.3	2591	+002	-017		-39.9
0027.9	2438	-005	-012		-40.3
0043.6	2134	-010	-008		-45.0
0068.9	1829	-009	+000		-46.7
0108.5	1524	-010	+003		-46.6
0148.6	1219	-012	+005		-46.2
0273.9	0914	-013	+008		-50.7
0437.9	0610	-012	-001		-42.3
0677.0	0305	-001	-009	36	-24.9
0971.5	0040	+000	+000	45	-37.3
0010.0	3140	+002	-018		-43.3
0050.0	2042	-012	-006		-45.4
0100.0	1582	-009	+004		-46.5
0500.0	0516	-007	-005	32	-36.8
0700.0	0277	-001	-010	40	-24.0

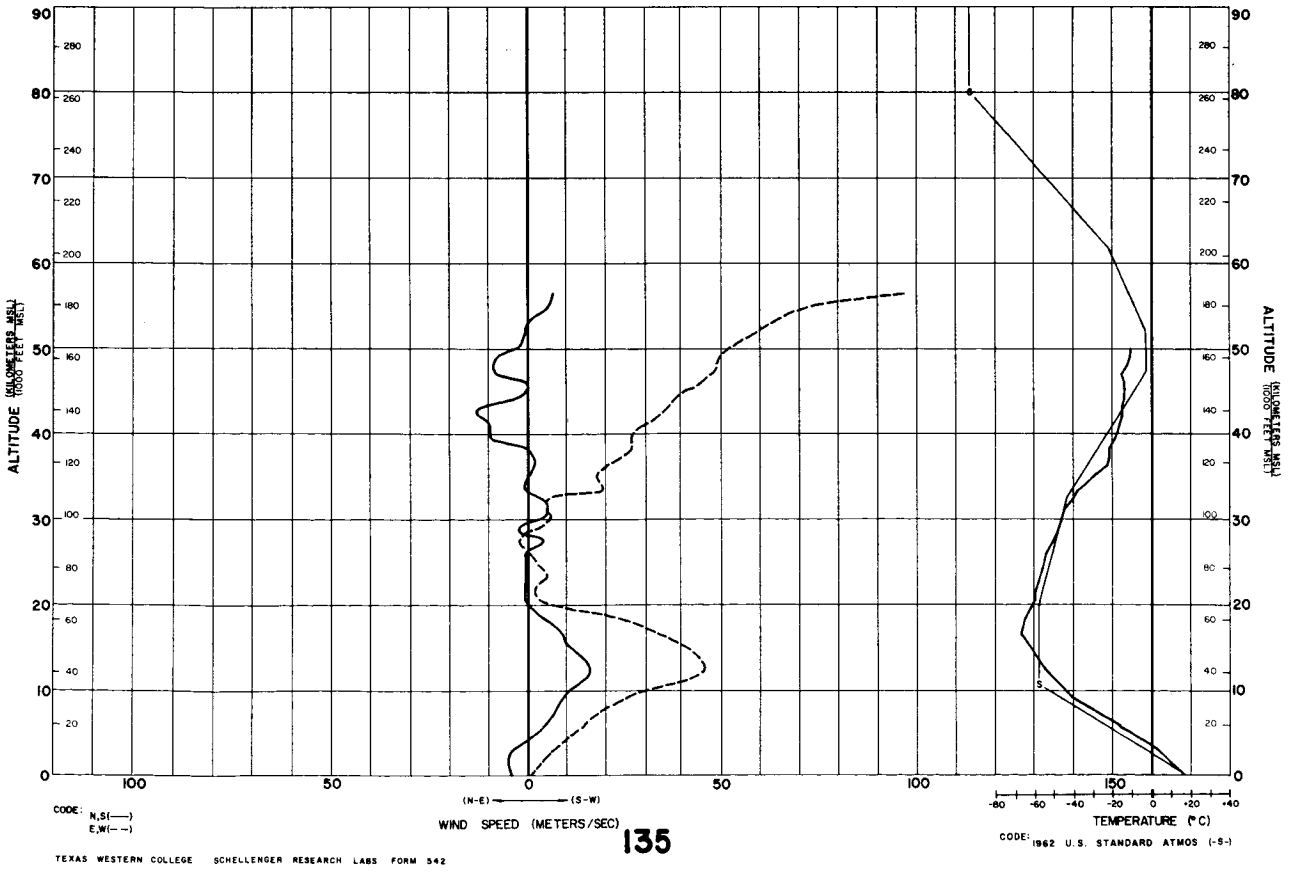


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 20	1300	+01	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
119	5639	+007	+097	5000	-10.9	00.819	01.088	325					0008.9	3200				-40.4
101	5486	+006	+073	4900	-11.1	00.930	01.237	325					0011.1	3050	+003	+006		-45.7
092	5334	+001	+064	4800	-12.6	01.058	01.415	324					0013.9	2900	-001	+001		-48.5
084	5182	-001	+058	4700	-15.1	01.204	01.626	322					0017.4	2750	+001	+000		-49.9
076	5029	-002	+053	4600	-13.2	01.371	01.837	324					0021.9	2600	+001	-001		-52.5
067	4877	-008	+049	4500	-13.1	01.560	02.090	324					0027.6	2450	+001	+003		-54.5
060	4724	-008	+048	4400	-13.3	01.775	02.380	324					0045.9	2125	-001	+002		-59.2
055	4572	+000	+044	4300	-14.8	02.021	02.725	323					0074.2	1825	+004	+023		-64.6
049	4420	-002	+039	4200	-14.8	02.302	03.104	323					0121.5	1525	+010	+039		-63.8
044	4267	-013	+035	4100	-16.2	02.623	03.556	322					0195.4	1225	+016	+046	27	-52.9
040	4115	-010	+031	4000	-17.1	02.991	04.069	321					0307.5	0925	+009	+026	26	-40.6
036	3962	-009	+027	3900	-19.3	03.412	04.683	320					0484.4	0600	+005	+014	23	-17.5
032	3810	+000	+027	3800	-21.1	03.898	05.388	319					0712.4	0300	-004	+007	22	+01.6
028	3658	+002	+022	3700	-21.1	04.455	06.158	319					1023.4	0000	-004	+001	65	+16.2
025	3505	+001	+018	3600	-21.9	05.094	07.063	318					0010.0	3099	+003	+005		-44.4
023	3353	-001	+019	3500	-27.8	05.834	08.284	314					0050.0	2060	-001	+003		-58.8
020	3200	+005	+005	3400	-33.8	06.704	09.758	311					0100.0	1636	+009	+034		-67.1
017	3048	+005	+006	3300	-38.1	07.728	11.455	308					0500.0	0575	+004	+014	23	-15.9
015	2896	-002	+002	3200	-40.2	08.927	13.350	306					0700.0	0314	-004	+007	22	+00.6
012	2743	+004	-002	3100	-43.7	10.329	15.683	304										
010	2591	-001	+001	3000	-45.6	11.973	18.331	303										
009	2438	-001	+003	2800	-48.1	16.136	24.978	301										
008	2377	-001	+005	2600	-53.5	21.872	34.690	297										
				2400	-55.5	29.800	47.699	296										

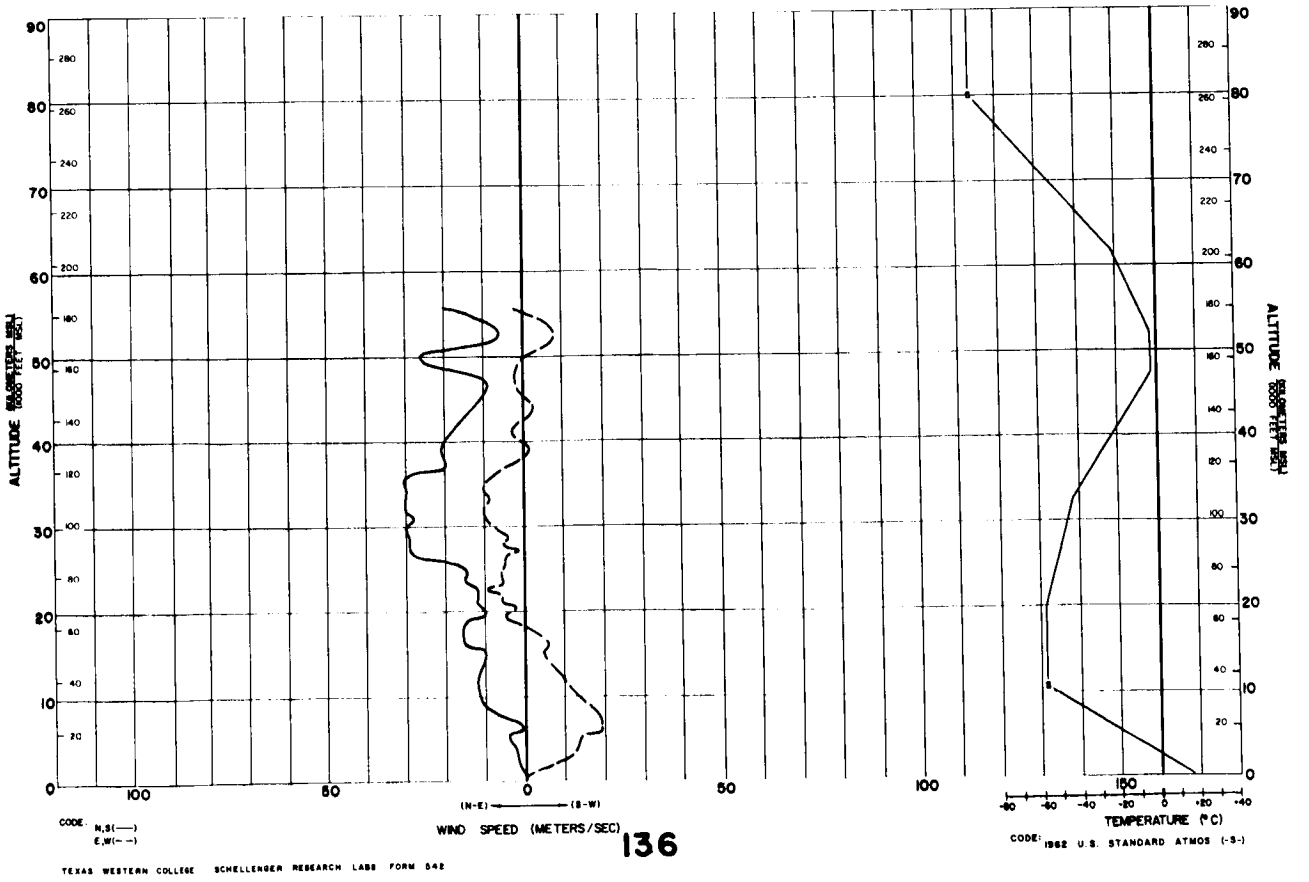


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 20	2000	-03	01	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
117	5551	-020	-002										0014.4	2896	-032	-005		-40.8
088	5244	-006	+008										0017.9	2743	-029	-004		-42.0
074	5001	-026	+000										0022.5	2591	-019	-008		-43.2
062	4706	-009	-002										0028.3	2438	-017	-007		-43.6
047	4380	-013	+002										0044.4	2134	-014	-008		-42.1
038	4124	-018	-003										0070.2	1829	-016	-001		-44.7
032	3915	-021	+001										0110.2	1524	-011	+005		-45.9
029	3734	-020	-003										0174.5	1219	-012	+009		-46.6
025	3574	-030	-008										0275.4	0914	-011	+015		-49.0
024	3429	-030	-010										0438.5	0610	-001	+019		-42.8
022	3294	-030	-009										0675.8	0305	-002	+012	36	-25.7
018	3175	-030	-010										0973.6	0040	+000	+000		-40.4
016	3072	-028	-009										0050.0	2054	-012	-007		-43.3
017	2973	-030	-007										0100.0	1590	-015	+006		-46.1
014	2879	-029	-004										0500.0	0519	-004	+015	37	-36.4
013	2797	-029	-005										0700.0	0279	-002	+011	36	-24.7
012	2723	-029	-002															
011	2655	-028	-004															
010	2561	-018	-005															
009	2449	-015	-006															
007	2354	-015	-006															
008	2259	-012	-009															
006	2175	-012	-006															
006	2105	-012	-006															
006	2036	-011	-002															
006	1965	-010	-005															
006	1891	-014	-003															

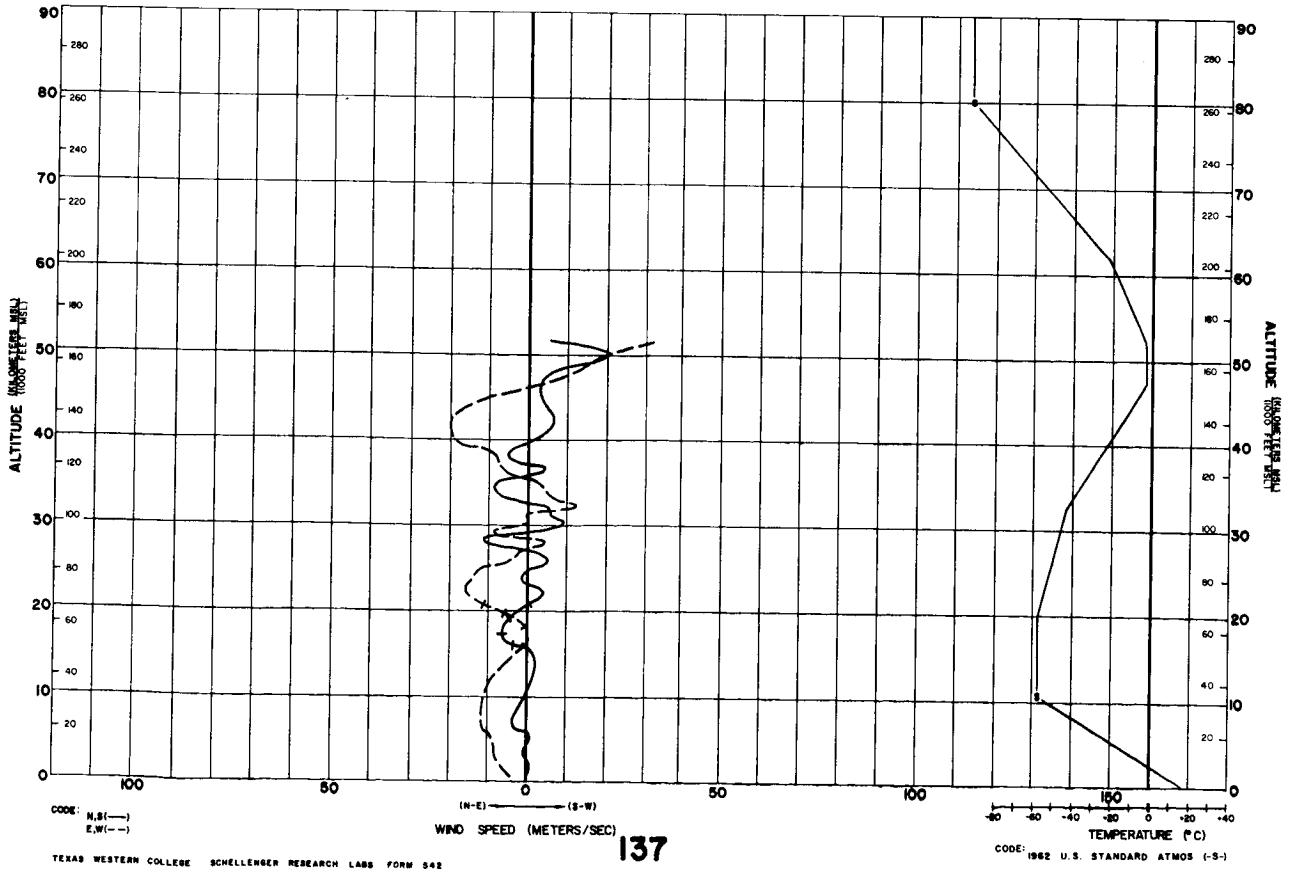


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 548

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11503	HARP, SEAWELL, WEST INDIES	66 02 20	2153	-09	18	02	00			00	5166	5012			I

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
106	5166	+006	+032											1524	+001	-002		
048	5012	+020	+020											0610	-002	-011		
045	4807	+007	+012											0305	+000	-008		
054	4511	+003	-008										1011.0	0049	+000	-004	64	+27.5
042	4223	+007	-020										0050.0	2067				-62.0
035	3993	+001	-019										0100.0	1663	-006	+000		-76.4
026	3812	-005	-008										0500.0	0590	+000	-010	16	-06.8
020	3673	+004	-007										0700.0	0318	-001	-008	18	+11.2
019	3555	-002	-001															
018	3446	-008	+003															
020	3333	-006	+006															
017	3223	+004	+012															
016	3124	+006	+000															
014	3034	+009	+000															
014	2950	+003	-008															
012	2873	-011	-007															
011	2804	-011	+004															
011	2704	-002	-001															
009	2582	+005	-005															
008	2480	+001	-012															
008	2385	-001	-014															
007	2297	+001	-016															
006	2217	+004	-016															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 21	1300	-03	01	02	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
114	5791	+004	+000
105	5639	+006	+004
095	5486	-002	+008
086	5334	-015	+000
079	5182	-023	-007
072	5029	-017	-016
066	4877	+001	-026
060	4724	+018	-032
054	4572	+014	-040
049	4420	+002	-046
044	4267	-012	-058
039	4115	-006	-053
034	3962	+004	-045
031	3810	+011	-038
029	3658	+002	-041
024	3505	+000	-030
022	3353	-005	-012
019	3200	-004	-014
016	3048	-003	-015
015	2896	+001	-009
013	2743	-006	-009
010	2591	-003	-014
008	2438	-001	-021
009	2408	-001	-028

THERMODYNAMICS

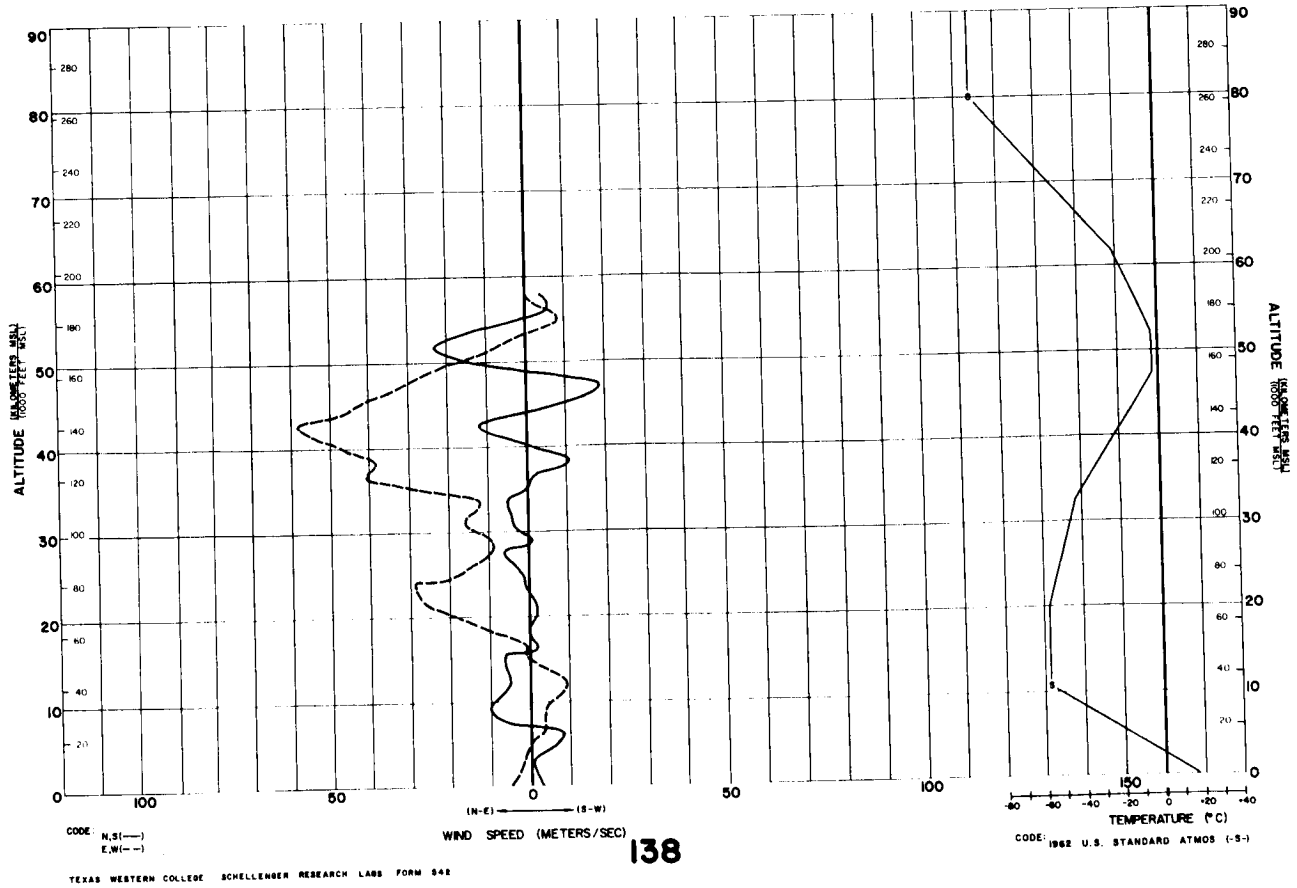
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.9	3200				-41.5
0011.1	3048	+001	-015		-38.9
0013.8	2896	+002	-009		-42.4
0017.3	2743	-006	-012		-45.0
0021.7	2591	-003	-021		-52.5
0027.6	2438	+003	-027		-59.6
0044.8	2134	+002	-026		-62.0
0074.4	1829	+000	-010		-79.5
0126.6	1524	-006	-001		-70.7
0207.1	1219	-005	+009	27	-53.6
0324.0	0914	-010	+004	28	-29.4
0485.8	0610	+008	+003	22	-05.6
0708.9	0305	+001	-002	40	+08.6
1003.8	0008	+003	-005	64	+26.6
0010.0	3096	+000	-015		-40.0
0050.0	2055	+002	-021		-65.7
0100.0	1654	+002	-001		-79.0
0500.0	0585	+008	+002	22	-04.4
0700.0	0315	+001	-002	42	+07.6



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 21	1300	-02	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
076	5151	+002	+056
069	5029	+003	+053
063	4827	+004	+049
058	4724	+002	+046
053	4572	-008	+045
049	4420	-010	+043
045	4267	-010	+039
041	4115	-006	+035
034	3962	+000	+033
031	3810	+000	+031
028	3658	-009	+028
025	3505	-003	+026
021	3353	+006	+018
018	3200	+008	+009
017	3048	+004	+004
016	2896	-008	+003
012	2743	-001	+000
009	2591	+001	+003
009	2438	-001	+003

THERMODYNAMICS

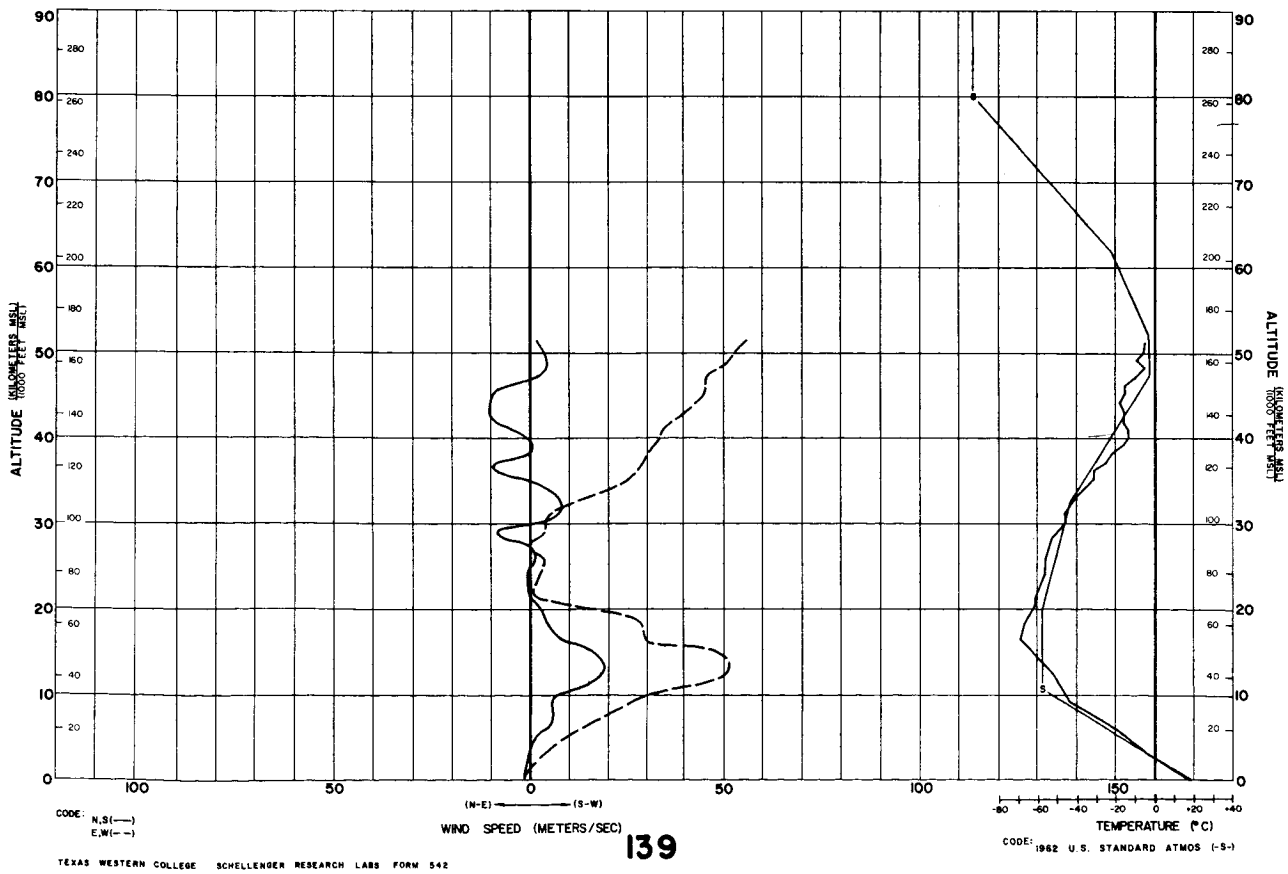
A MSL	TDC	PMB	D	SOS
5100	-05.0	00.686	00.891	329
5000	-06.0	00.778	01.014	328
4900	-09.8	00.883	01.167	326
4800	-05.4	01.001	01.303	328
4700	-10.0	01.136	01.504	326
4600	-14.9	01.293	01.744	323
4500	-15.1	01.472	01.988	322
4400	-18.0	01.678	02.291	321
4300	-15.9	01.913	02.591	322
4200	-15.3	02.180	02.946	322
4100	-13.8	02.483	03.336	323
4000	-13.5	02.827	03.793	323
3900	-15.9	03.220	04.361	322
3800	-21.2	03.675	05.082	319
3700	-25.1	04.205	05.906	316
3600	-31.7	04.826	06.963	312
3500	-31.7	05.548	08.005	312
3400	-35.7	06.387	09.371	309
3300	-40.0	07.371	11.014	306
3200	-42.6	08.525	12.882	305
3100	-46.0	09.879	15.152	302
3000	-46.0	11.462	17.579	302
2800	-52.7	15.495	24.487	298
2600	-56.0	21.147	33.927	296
2400	-56.3	28.900	46.429	296

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0021.1	2600				-55.0
0026.7	2450	+000	+006		-57.0
0044.6	2125	+000	+002		-60.6
0072.3	1825	+004	+028		-66.5
0118.8	1525	+014	+044		-65.3
0191.7	1225	+018	+051	36	-51.9
0303.1	0925	+006	+027	39	-44.3
0480.9	0600	+004	+013	37	-20.7
0710.2	0300			37	-03.9
1021.7	0000	-002	-002	68	+18.6
0050.0	2043	+002	+009		-61.2
0100.0	1622	+008	+029		-68.5
0500.0	0569	+003	+012	36	-18.5
0700.0	0311			37	-03.9



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE (Y M D)	TIME (Z)	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 21	1430	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
118	5700	+003	+002
112	5600	+001	+002
106	5500	-002	+003
100	5400	-005	+002
093	5300	-008	+000
086	5200	-009	-002
081	5100	-008	-006
075	5000	-006	-009
071	4900	-001	-012
067	4800	+004	-014
063	4700	+006	-015
059	4600	+004	-017
055	4500	+004	-018
052	4400	+001	-022
048	4300	-003	-029
044	4200	-004	-030
042	4100	-005	-030
039	4000	-003	-027
036	3900	+000	-025
033	3800	+002	-020
030	3700	+002	-019
027	3600	+002	-018
026	3500	+003	-013
024	3400	+002	-009
022	3300	-002	-008
020	3200	-003	-011
018	3100	+000	-010
016	3000	+001	-009
013	2800	-004	-002
011	2600	+000	-009
010	2475	-001	-012

THERMODYNAMICS

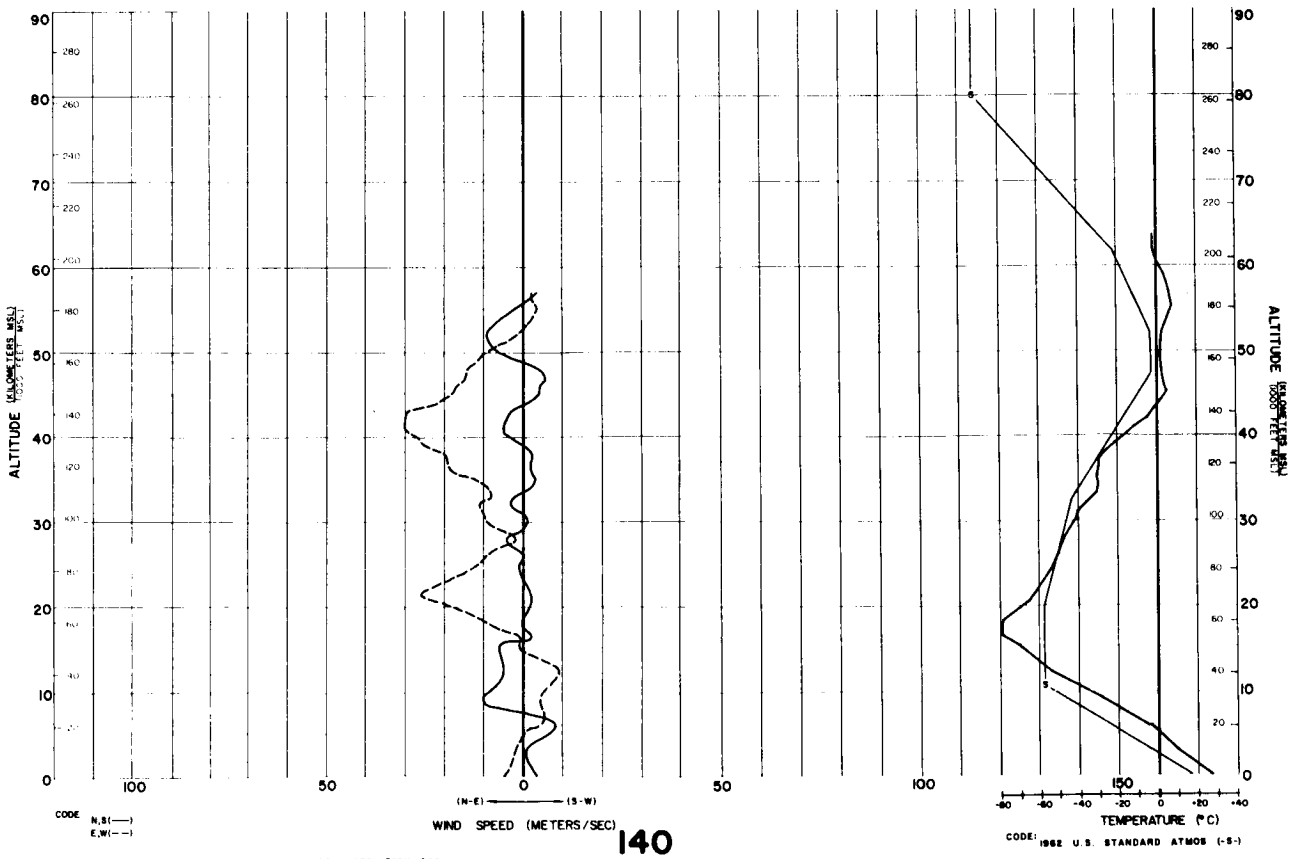
A MSL	TDC	PMB	D	SOS
6350	-02.3	00.167	00.215	330
6300	-02.5	00.178	00.229	330
6200	-02.3	00.201	00.258	330
6100	-00.8	00.227	00.292	331
6000	+01.2	00.257	00.327	332
5900	+03.1	00.290	00.365	334
5800	+04.7	00.327	00.409	335
5700	+05.7	00.368	00.460	335
5600	+07.0	00.415	00.516	336
5500	+07.5	00.468	00.582	336
5400	+06.0	00.528	00.661	335
5300	+04.0	00.596	00.749	334
5200	+03.2	00.672	00.848	334
5100	+02.5	00.759	00.959	333
5000	+02.1	00.857	01.086	333
4900	+01.7	00.969	01.228	333
4800	+01.8	01.093	01.387	333
4700	+02.3	01.236	01.564	333
4600	+04.0	01.396	01.753	334
4500	+04.9	01.576	01.980	335
4400	+01.1	01.780	02.268	332
4300	-01.7	02.015	02.589	331
4200	-05.2	02.283	02.972	329
4100	-11.3	02.593	03.442	325
4000	-16.4	02.954	04.013	322
3900	-20.9	03.373	04.670	319
3800	-26.5	03.861	05.470	315
3700	-29.7	04.431	06.343	313
3600	-30.1	05.090	07.294	313
3500	-31.2	05.849	08.422	312
3400	-30.4	06.722	09.649	313
3300	-31.4	07.726	11.147	312
3200	-35.5	08.896	13.019	309
3100	-40.3	10.273	15.370	306
3000	-41.8	11.881	17.894	305
2800	-46.4	15.961	24.513	302
2600	-50.3	21.529	33.657	300
2450	-52.9	27.058	42.848	298

COMPOSITION

A MSL	O	ED	LAR

RAOB

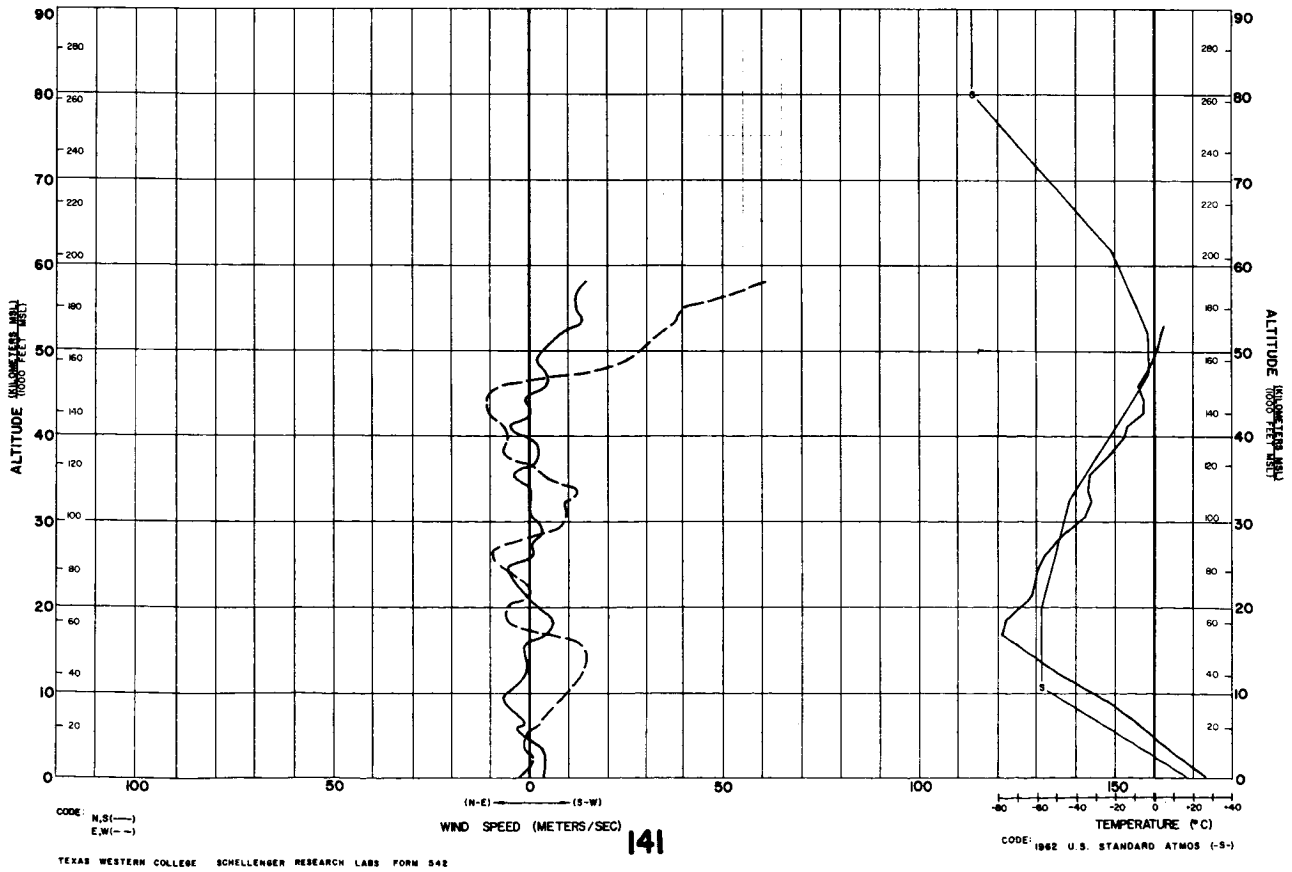
PMB	A MSL	COMP	WNDS	RH	TDC
0008.9	3200				-41.5
0011.1	3048	+001	-015		-38.9
0013.8	2896	+002	-009		-42.4
0017.3	2743	-006	-012		-45.0
0021.7	2591	-004	-021		-52.5
0027.6	2438	+003	-027		-59.6
0044.8	2134	+002	-026		-62.0
0074.4	1829	+000	-010		-79.5
0126.6	1524	-006	-001		-70.7
0207.1	1219	-005	+009	27	-53.6
0324.0	0914	-010	+004	28	-29.4
0485.8	0610	+008	+004	22	-05.6
0708.9	0305	+001	-002	40	+08.6
1003.8	0008	+003	-005	64	+26.6
0010.0	3096	+000	-015		-40.0
0050.0	2055	+002	-021		-65.7
0100.0	1654	+002	-001		-79.0
0500.0	0585	+008	+002	22	-04.4
0700.0	0315	+001	-002	42	+07.6



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 21	1445	-04	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
	5791	+014	+061	5303	+05.2	00.587	00.736	335					0011.1	3048	+001	+008		-43.4
111	5639	+012	+051	5182	+03.8	00.680	00.855	334					0013.9	2896	+006	-002		-45.7
103	5486	+012	+041	5029	+01.7	00.818	01.037	333					0017.5	2743	+002	-008		-51.9
094	5334	+013	+038	4877	-01.4	00.987	01.265	331					0022.1	2591	-001	-009		-55.3
086	5182	+008	+033	4724	-03.8	01.193	01.540	329					0028.1	2438	-005	-008		-58.9
079	5029	+004	+029	4572	-07.7	01.445	01.895	327					0045.6	2134	-001	+000		-62.3
071	4877	+002	+024	4420	-06.2	01.751	02.285	328					0075.6	1829	+006	-006		-76.7
063	4724	+004	+012	4267	-06.2	02.122	02.768	328					0127.6	1524	-001	+013		-70.9
056	4572	+004	-007	4115	-13.1	02.579	03.456	324					0207.6	1219	-001	+013	22	-50.0
051	4420	-001	-011	3962	-16.4	03.146	04.270	322					0323.4	0914	-007	+007	20	-26.6
046	4267	+000	-010	3810	-21.3	03.850	05.319	319					0486.0	0610	-002	+002	19	-08.6
041	4115	-005	-007	3658	-27.7	04.783	06.724	314					0709.7	0305	+003	+000	20	+08.7
038	3962	+000	-006	3505	-33.6	05.857	08.516	311					1015.0	0000	+003	-003	69	+25.8
034	3810	+002	-007	3353	-34.1	07.260	10.585	310					0010.0	3097				-42.5
029	3658	+001	+000	3200	-32.7	09.001	13.042	311					0050.0	2066	+001	-004		-64.2
026	3505	-004	+004	3048	-35.5	11.164	16.362	309					0100.0	1659	+003	+006		-77.0
023	3353	+000	+012	2896	-43.9	13.939	21.205	304					0500.0	0586	-003	+001	19	-07.4
020	3200	+000	+009	2743	-50.0	17.505	27.342	300					0700.0	0315	+003	-001	19	+08.2
017	3048	+001	+009	2591	-56.9	22.144	35.658	295										
015	2896	+003	+006	2438	-58.9	28.100	45.700	294										
012	2743	+001	-006															
011	2591	+001	-009															
	2438	-006	-007															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	GD	WHT	WHB	THT	THB	C
12714	AFETR, GRAND TURK ISLAND AAFB	66 02 21	1500	-04	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
097	5639	+025	+069
093	5486	+014	+054
088	5334	+003	+048
081	5182	+002	+042
078	5121	+004	+040

THERMODYNAMICS

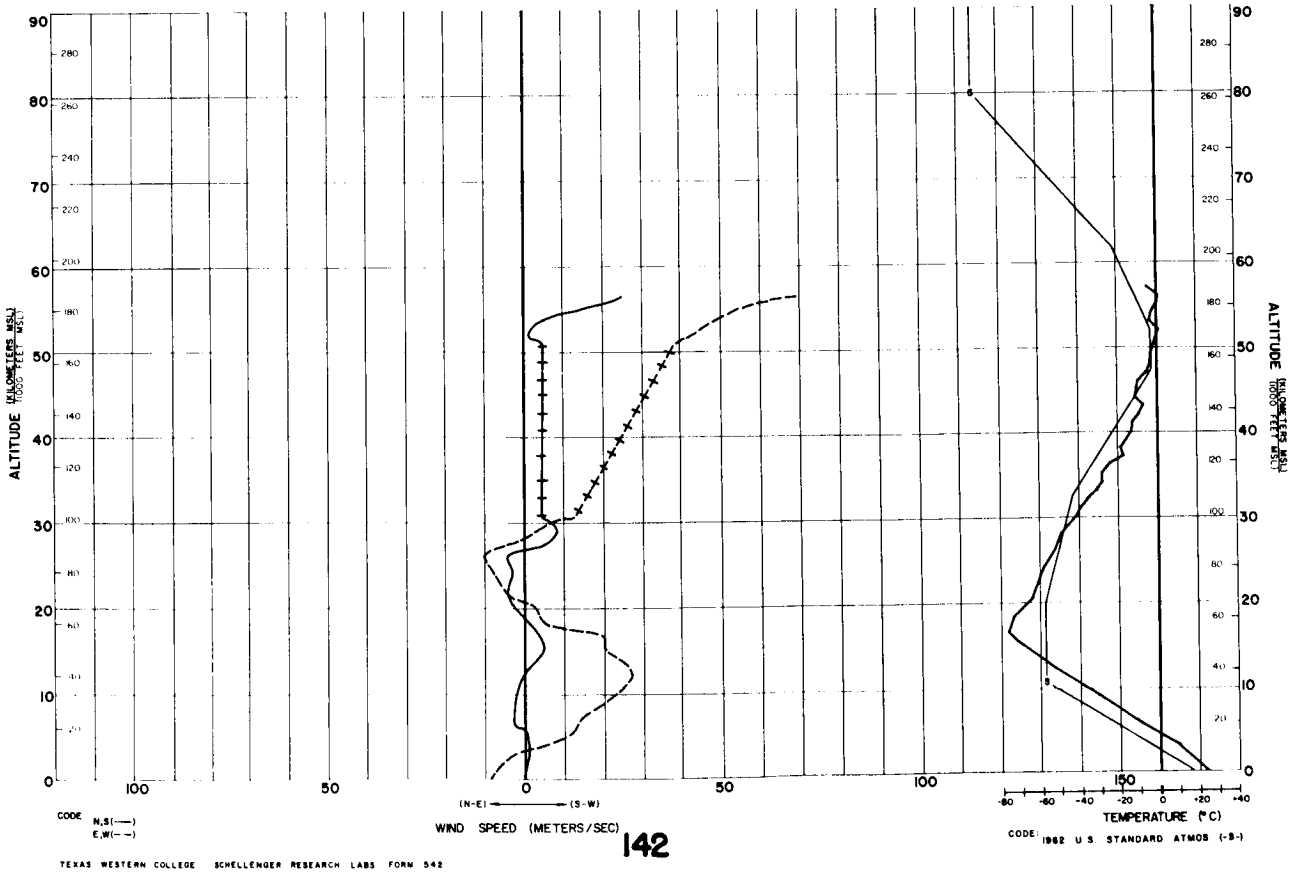
A MSL	TDC	PMB	D	SOS
5700	-03.8	00.359	00.464	329
5600	+00.8	00.406	00.516	332
5500	+00.2	00.459	00.585	332
5400	-02.0	00.519	00.667	330
5300	-02.9	00.587	00.757	330
5200	+00.8	00.664	00.845	332
5100	-00.2	00.751	00.959	332
5000	-01.9	00.850	01.091	331
4900	-02.6	00.962	01.238	330
4800	-02.9	01.089	01.403	330
4700	-05.4	01.233	01.605	328
4600	-10.0	01.400	01.853	326
4500	-10.5	01.590	02.109	325
4400	-11.0	01.808	02.402	325
4300	-07.0	02.053	02.687	327
4200	-09.4	02.331	03.078	326
4100	-12.0	02.649	03.534	324
4000	-12.5	03.014	04.028	324
3900	-14.9	03.431	04.629	323
3800	-18.4	03.913	05.351	320
3700	-17.0	04.464	06.071	321
3600	-23.9	05.100	07.129	317
3500	-27.9	05.845	08.303	314
3400	-27.9	06.706	09.526	314
3300	-31.3	07.702	11.094	312
3200	-35.6	08.866	13.002	309
3100	-40.0	10.232	15.289	306
3000	-42.0	11.833	17.834	305
2800	-49.7	15.945	24.860	300
2600	-52.7	21.646	34.208	298
2408	-57.8	29.140	47.141	295

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0011.0	3048	+005	+012		-43.2
0013.8	2896	+008	+003		-47.3
0017.4	2743	+005	-004		-49.1
0021.9	2591	-004	-010		-53.6
0027.8	2438	-003	-008		-56.4
0045.0	2134	-004	-004		-62.4
0074.3	1829	+001	+005		-74.2
0125.2	1524	+005	+020		-71.2
0205.0	1219	+000	+027	24	-53.1
0321.3	0914	-002	+021	19	-31.0
0484.0	0610	-002	+013	27	-10.9
0709.0	0305	+001	-002	29	+09.5
1013.5	0000	+000	-008	85	+23.8
0010.0	3094				-42.6
0050.0	2058	-003	+002		-62.9
0100.0	1649	+004	+020		-76.9
0500.0	0583	+000	+013	35	-10.7
0700.0	0315	+001	-001	29	+08.7

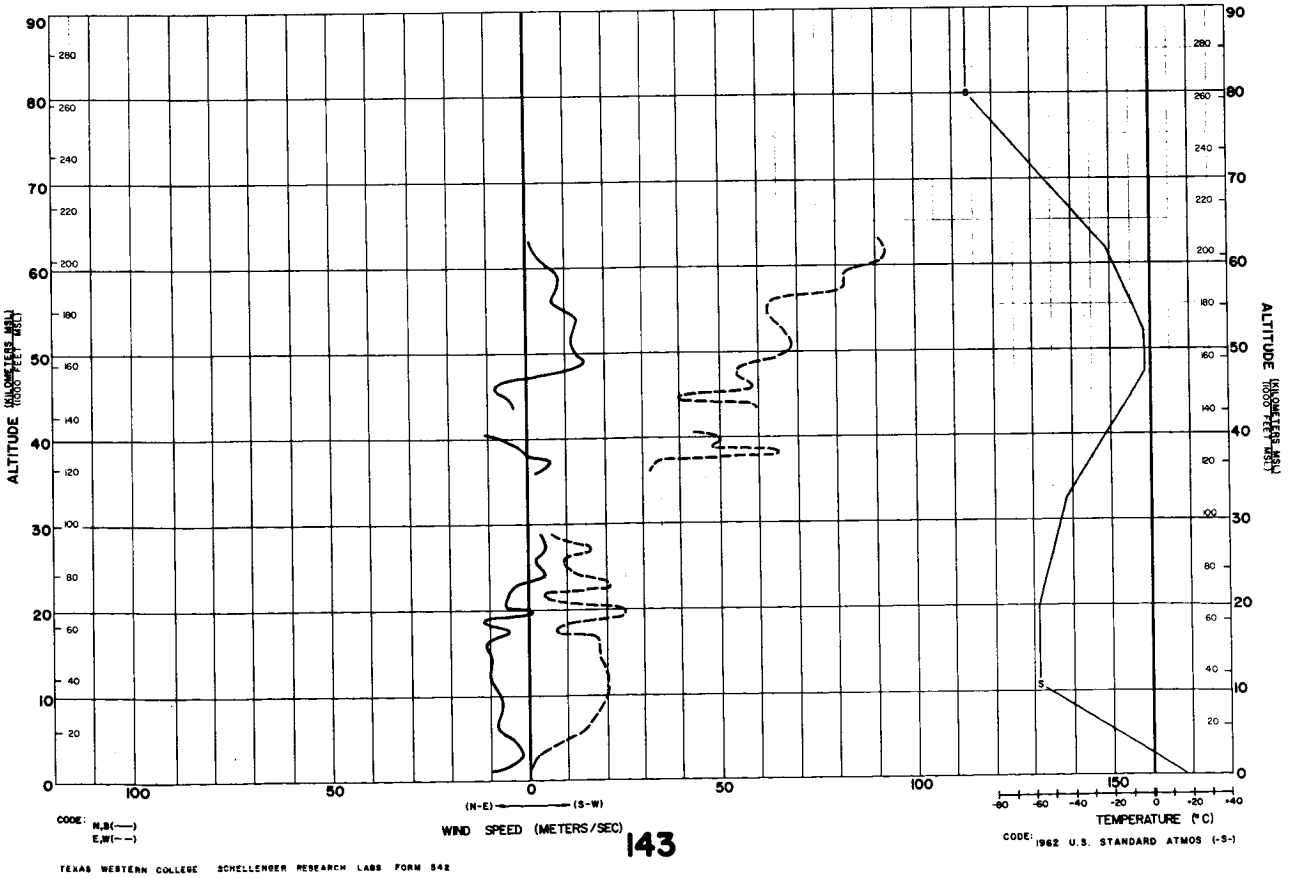


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 21	1530	-01	20	01	00			00	6303	6303			1
99999	WSMR, NEW MEXICO	66 02 21	1530	-01						03	4206	4206			1
99999	WSMR, NEW MEXICO	66 02 21	1530	-01						03	3235	3235			1

ROCKET WINDS				THERMODYNAMICS				COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
098	6303	+001	+091										0010.7	3048	+006	+015		-45.5
058	6070	+004	+092										0013.4	2896	+003	+015		-50.6
057	5898	+008	+082										0016.9	2743	+004	+010		-51.5
044	5747	+008	+082										0021.3	2591	+004	+016		-54.8
032	5585	+007	+063										0027.1	2438	+002	+015		-58.2
037	5378	+013	+063										0043.8	2134	+001	+013		-59.2
020	5207	+012	+067										0071.5	1829	-004	+010		-62.9
033	5050	+012	+068										0116.7	1524	-011	+018		-59.8
024	4881	+015	+060										0189.3	1219	-010	+020		-60.3
025	4735	+002	+054										0305.3	0914	-007	+019	09	-47.5
020	4599	-008	+058										0472.0	0610	-008	+014	20	-23.2
024	4465	-004	+040										0703.5	0305	-002	+002	33	-02.5
011	4360	-003	+059										0883.2	0122	-010	+000	44	+04.4
	4206												0010.0	3076				-44.1
018	4052	-011	+043										0050.0	2044	+001	+014		-61.9
015	3955	-005	+050										0100.0	1617	-011	+018		-61.6
012	3875	-002	+048										0500.0	0569	-007	+013	19	-19.6
010	3810	+000	+065										0700.0	0310	-002	+003	32	-02.7
015	3734	+006	+035															
018	3581	+002	+032															
	3235																	
017	2888	+003	+006															
013	2709	+004	+016															
013	2552	+002	+009															
013	2399	+004	+013															
006	2287	-003	+021															
013	2176	-005	+004															
010	2042	-006	+014															
002	1972	+001	+025															
014	1878	-012	+014															
008	1747	-005	+007															
008	1675	-011	+016															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 22	1300	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
123	5800	-010	+001
116	5700	-012	+001
108	5600	-015	+002
102	5500	-017	+000
096	5400	-018	-003
090	5300	-018	-005
085	5200	-018	-006
080	5100	-015	-008
075	5000	-009	-011
071	4900	-004	-014
066	4800	-001	-020
062	4700	-003	-025
058	4600	-011	-030
053	4500	-013	-037
051	4400	-007	-045
047	4300	-002	-054
044	4200	-001	-056
040	4100	+006	-055
037	4000	+009	-051
035	3900	+005	-046
032	3800	-004	-042
030	3700	-008	-038
027	3600	-006	-035
025	3500	-001	-026
023	3400	+002	-017
021	3300	-001	-016
020	3200	-003	-018
018	3100	-007	-021
016	3000	-011	-020
014	2800	+009	-021
011	2600	-004	-028
009	2475	+002	-029

THERMODYNAMICS

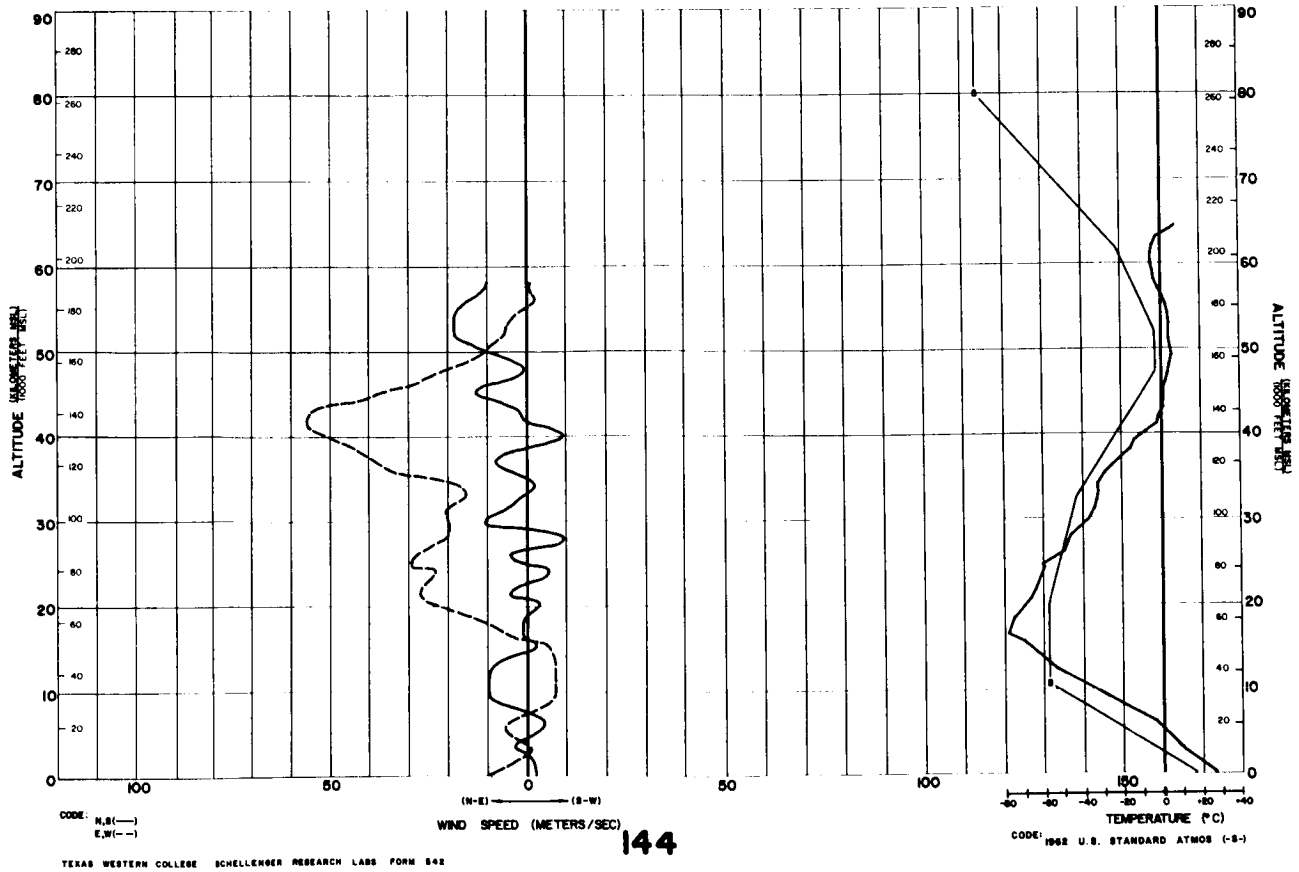
A MSL	TDC	PMB	D	SOS
6425	+07.5	00.156	00.196	336
6400	+05.1	00.161	00.202	335
6300	-01.9	00.182	00.234	331
6200	-04.3	00.205	00.266	329
6100	-04.6	00.233	00.302	329
6000	-04.5	00.263	00.341	329
5900	-03.9	00.298	00.385	329
5800	-02.8	00.337	00.433	330
5700	-00.8	00.382	00.487	331
5600	+00.4	00.431	00.548	332
5500	+02.0	00.487	00.616	333
5400	+02.6	00.550	00.695	333
5300	+03.0	00.621	00.784	334
5200	+03.0	00.701	00.884	334
5100	+03.2	00.792	00.998	334
5000	+03.8	00.894	01.123	334
4900	+04.7	01.009	01.265	335
4800	+04.2	01.138	01.432	334
4700	+02.8	01.285	01.622	333
4600	+01.8	01.452	01.841	333
4500	+00.7	01.641	02.088	332
4400	+00.3	01.856	02.365	332
4300	+00.1	02.099	02.676	332
4200	-01.6	02.375	03.043	331
4100	-07.2	02.693	03.533	327
4000	-10.4	03.059	04.050	325
3900	-13.7	03.480	04.671	323
3800	-16.2	03.966	05.373	322
3700	-20.3	04.528	06.223	319
3600	-25.5	05.182	07.286	316
3500	-29.8	05.946	08.512	313
3400	-32.3	06.835	09.882	311
3300	-31.4	07.859	11.328	312
3200	-32.8	09.040	13.106	311
3100	-34.7	10.407	15.199	310
3000	-37.6	12.004	17.750	308
2800	-46.9	16.112	24.810	302
2600	-49.8	21.742	33.900	300
2450	-60.0	27.470	44.909	293

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0009.0	3200	-004	-021		-35.3
0011.2	3048	-009	-022		-38.0
0014.0	2896	+000	-025		-43.6
0017.5	2743	+004	-018		-47.3
0022.1	2591	-004	-025		-50.0
0028.0	2438	+006	-023		-59.3
0045.2	2134	-004	-027		-64.1
0075.3	1829	-001	-012		-75.8
0127.6	1524	+002	+005		-70.5
0208.4	1219	-009	+007	24	-53.0
0325.8	0914	-009	+007	23	-28.7
0487.5	0610	+004	-004	19	-03.8
0710.4	0305	-002	+001	36	+08.6
1005.1	0008	+002	-010	66	+26.6
0010.0	3107	-007	-021		-36.8
0050.0	2061	+003	-024		-67.2
0100.0	1659	-001	-004		-78.8
0500.0	0588	+003	-006	19	-03.3
0700.0	0316	-003	+001	39	+07.1

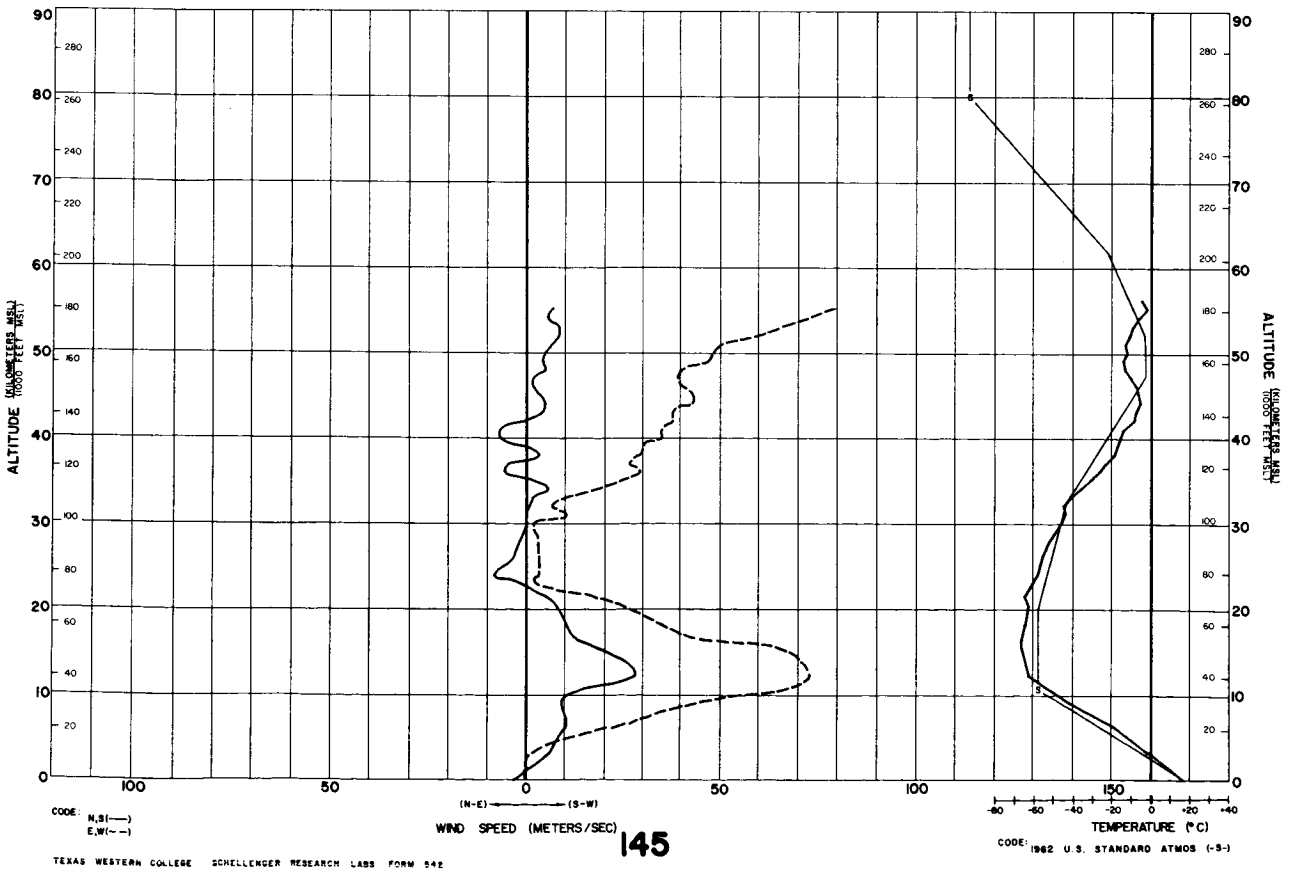


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 642

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHR	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA,	66 02 22	1300	-02	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
098	5500	+007	+079	5600	-04.2	00.370	00.480	329					0008.5	3200				-45.1
094	5400	+006	+073	5500	-01.3	00.419	00.537	331					0010.6	3050				-47.6
088	5300	+008	+066	5400	-06.6	00.475	00.620	328					0013.3	2900				-50.8
081	5200	+008	+059	5300	-09.6	00.539	00.712	326					0016.7	2750				-51.9
073	5100	+007	+051	5200	-10.6	00.612	00.812	325					0021.0	2600				-55.0
069	5000	+005	+048	5100	-12.4	00.695	00.929	324					0026.6	2450				-56.4
067	4900	+004	+047	5000	-12.0	00.791	01.055	324					0044.5	2125	+005	+017		-63.4
061	4800	+005	+041	4900	-13.8	00.899	01.208	323					0072.2	1825				-63.6
057	4700	+002	+039	4800	-12.9	01.023	01.370	324					0117.9	1525	+018	+066		-66.0
054	4600	+002	+041	4700	-10.0	01.164	01.540	326					0192.4	1225	+028	+073		-61.6
052	4500	+003	+043	4600	-07.5	01.321	01.733	327					0305.0	0925	+009	+047	11	-41.2
049	4400	+005	+043	4500	-06.9	01.499	01.961	327					0481.7	0600	+010	+022	86	-18.1
042	4300	+004	+038	4400	-05.8	01.700	02.215	328					0710.5	0300	+006	+001	93	+00.0
041	4200	-001	+038	4300	-07.6	01.929	02.530	327					1020.0	0000	-003	+000	96	+17.2
037	4100	-007	+035	4200	-08.4	02.190	02.881	327					0010.0	3067				-46.8
037	4000	-007	+035	4100	-13.7	02.489	03.343	323					0050.0	2041				-62.1
034	3900	+000	+030	4000	-15.6	02.835	03.835	322					0100.0	1618	+013	+045		-66.1
032	3800	+003	+029	3900	-16.8	03.232	04.392	321					0500.0	0570	+009	+018	84	-16.9
029	3700	-004	+027	3800	-17.8	03.687	05.030	321					0700.0	0311	+006	+001	88	-01.1
026	3600	-006	+029	3700	-23.0	04.212	05.866	317										
027	3500	+001	+026	3600	-26.7	04.824	06.819	315										
021	3400	+006	+018	3500	-30.5	05.537	07.949	313										
021	3300	+002	+011	3400	-36.7	06.373	09.390	309										
019	3200	+001	+007	3300	-40.8	07.359	11.034	306										
018	3100	+000	+011	3200	-44.0	08.517	12.949	304										
015	3000	+000	+002	3100	-43.8	09.867	14.989	304										
013	2800	-002	+003	3000	-46.5	11.442	17.587	302										
010	2600	-003	+003	2800	-51.6	15.436	24.273	299										
009	2400	-008	+003	2600	-55.0	21.008	33.549	296										
008	2350	-005	+002	2400	-57.7	28.720	46.440	295										



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 22	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
109	5460	+008	-008
089	5163	-001	-016
072	4922	-014	-012
061	4629	-006	-014
046	4308	-013	-029
038	4057	-011	-026
031	3851	-005	-020
028	3674	+002	-023
025	3515	-005	-026
021	3377	-001	-029
022	3248	-005	-029
018	3129	-010	-021
016	3027	-012	-020
015	2935	-009	-019
014	2848	-011	-018
013	2767	-009	-010
012	2695	-008	-016
010	2629	-008	-015
010	2536	-008	-015
009	2419	-009	-013
008	2317	-007	-011
008	2224	-009	-008
006	2141	-006	-009
007	2063	-006	-008
006	1986	-004	-010
005	1916	-005	-009
005	1854	-008	-007

THERMODYNAMICS

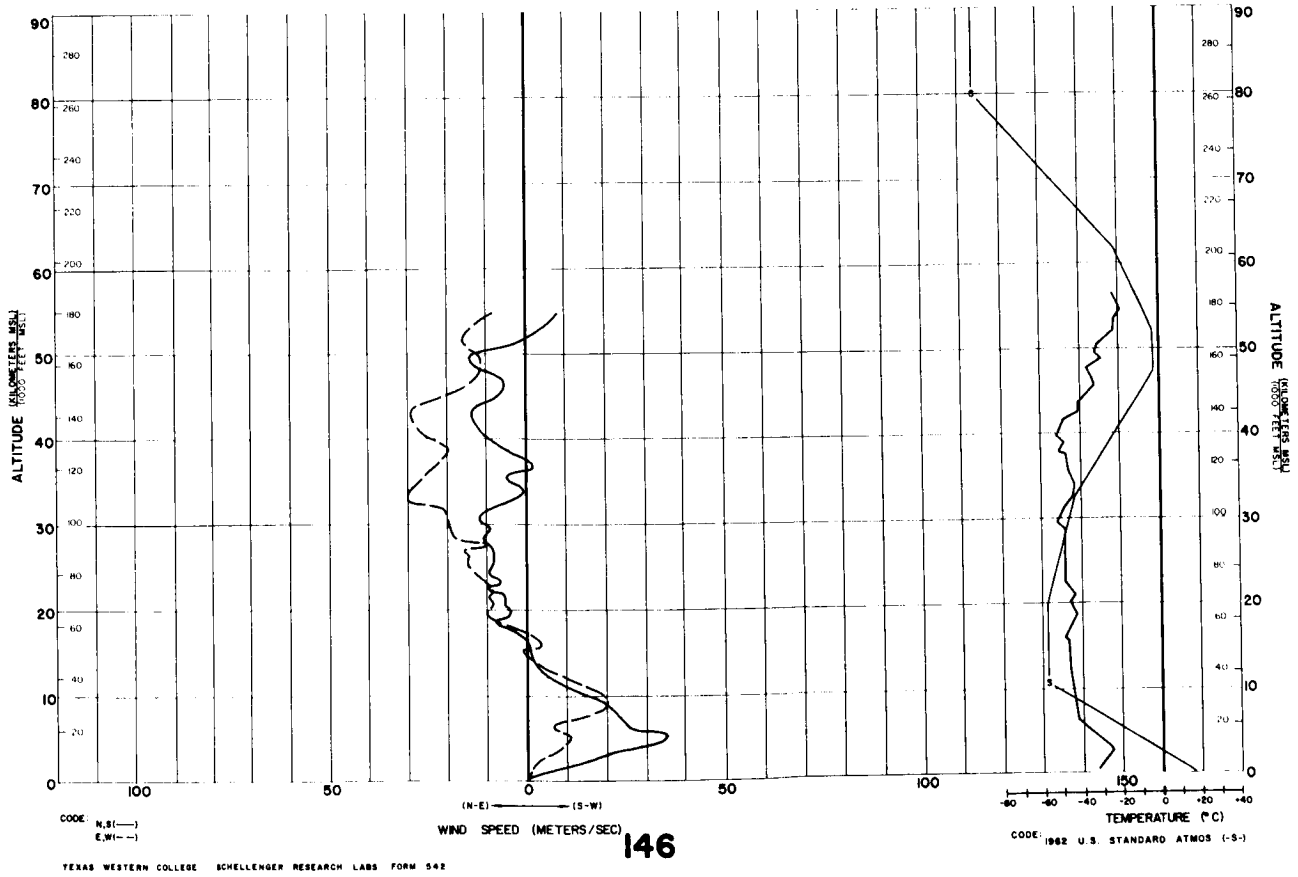
A MSL	TDC	PMB	D	SOS
5625	-22.6	00.270	00.374	317
5435	-19.2	00.347	00.476	319
5330	-21.8	00.399	00.553	318
5200	-22.9	00.475	00.661	317
5055	-30.4	00.579	00.831	312
4960	-31.8	00.661	00.953	311
4885	-29.7	00.733	01.049	313
4765	-37.4	00.868	01.282	308
4655	-33.9	01.015	01.477	310
4575	-32.7	01.136	01.645	311
4330	-40.9	01.610	02.415	306
4240	-40.9	01.835	02.752	306
4130	-49.5	02.159	03.363	300
3970	-52.2	02.753	04.340	298
3880	-49.1	03.155	04.906	300
3790	-50.3	03.615	05.650	299
3745	-47.8	03.868	05.980	301
3540	-46.7	05.256	08.085	302
3395	-43.1	06.515	09.865	304
3225	-44.4	08.370	12.746	303
3130	-48.5	09.644	14.955	300
2940	-52.0	12.869	20.272	298
2840	-48.2	14.979	23.196	301
2250	-48.4	36.450	56.498	301
2095	-43.5	45.944	69.694	304
2010	-46.4			
1870	-42.8			
1820	-43.3			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
					-49.8
0008.5	3200				
0010.8	3048	-005	-019		-48.8
0013.6	2896	-008	-019		-49.0
0017.0	2743	-008	-016		-49.5
0021.7	2591	-008	-016		-49.9
0027.3	2438	-009	-015		-50.2
0043.1	2134	-006	-011		-46.5
0068.2	1829	-007	-005		-43.9
0107.9	1524	+001	-001		-47.7
0170.9	1219	+005	+009		-46.8
0270.0	0914	+019	+020		-44.2
0427.1	0610	+026	+007		-42.1
0660.5	0305	+021	+006	43	-27.1
0958.2	0040	+000	+000	58	-32.5
0010.0	3095	-005	-020		-48.6
0050.0	2038	-006	-015		-50.3
0100.0	1574	+001	+003		-48.6
0500.0	0502	+035	+011		-38.9
0700.0	0264	+016	+003	58	-25.0

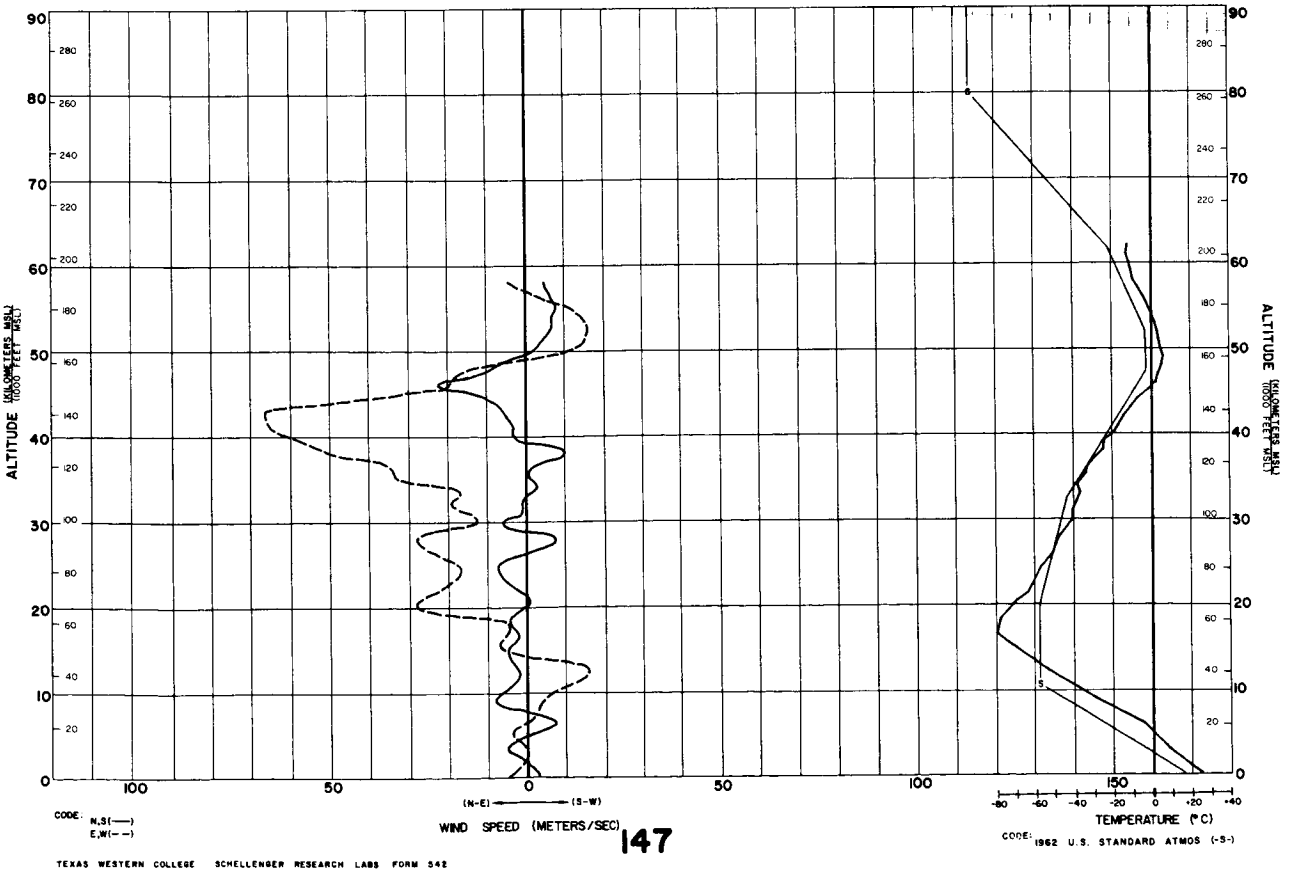


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 22	2245	+01	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
122	5800	+005	-004	6200	-11.7	00.185	00.247	325					0008.8	3200	-002	-018		-38.4
115	5700	+006	+000	6100	-12.2	00.210	00.281	324					0011.0	3048	+000	-016		-40.6
108	5600	+007	+005	6000	-11.4	00.239	00.318	325					0013.7	2896	-005	-010		-44.2
103	5500	+008	+011	5900	-10.3	00.271	00.360	325					0017.2	2743	+003	-028		-48.8
097	5400	+007	+014	5800	-09.0	00.308	00.405	326					0021.7	2591	-001	-020		-51.6
091	5300	+007	+016	5700	-07.0	00.349	00.455	327					0027.5	2438	+001	-015		-57.7
085	5200	+006	+016	5600	-04.4	00.396	00.511	329					0044.5	2134	+000	-025		-64.3
085	5100	+004	+015	5500	-02.0	00.448	00.573	330					0074.4	1829	-004	-006		-78.3
089	5000	+002	+011	5400	+00.4	00.506	00.643	332					0126.5	1524	-004	-007		-73.5
084	4900	-003	+000	5300	+01.8	00.572	00.724	333					0207.7	1219	-002	+016	25	-53.8
070	4800	-008	-013	5200	+02.4	00.646	00.816	333					0325.2	0914	-008	+004	26	-30.1
061	4700	-015	-018	5100	+03.4	00.729	00.919	334					0487.3	0610	+007	-001	19	-03.9
057	4600	-022	-020	5000	+04.7	00.823	01.033	335					0710.8	0305	-004	+000	38	+07.9
054	4500	-015	-030	4900	+06.3	00.928	01.157	336					1006.1	0008	+003	-005	77	+24.5
051	4400	-008	-049	4800	+05.4	01.047	01.309	335					0010.0	3092	-002	-018		-39.1
047	4300	-006	-066	4700	+03.2	01.182	01.491	334					0050.0	2052	+001	-028		-69.6
044	4200	-004	-066	4600	+01.8	01.335	01.690	333					0100.0	1653	-002	-006		-79.1
040	4100	-003	-065	4500	-00.7	01.510	01.926	331					0500.0	0588	+006	-003	18	-02.2
037	4000	-003	-061	4400	-07.2	01.712	02.234	327					0700.0	0317	-005	+000	38	+06.8
035	3900	+003	-056	4300	-11.3	01.945	02.582	325										
032	3800	+010	-050	4200	-14.0	02.214	02.979	323										
030	3700	+005	-038	4100	-16.4	02.523	03.421	322										
028	3600	+001	-034	4000	-19.2	02.879	03.955	320										
026	3500	+001	-033	3900	-24.1	03.292	04.610	317										
024	3400	+003	-020	3800	-25.1	03.770	05.301	316										
022	3300	+000	-017	3700	-29.7	04.325	06.188	313										
020	3200	-001	-019	3600	-32.5	04.972	07.199	311										
018	3100	-001	-015	3500	-34.5	05.723	08.340	310										
016	3000	-006	-013	3400	-37.9	06.598	09.771	308										
014	2800	+007	-028	3300	-35.8	07.609	11.169	309										
011	2600	-002	-023	3200	-37.9	08.775	12.995	308										
009	2475	-007	-017	3100	-40.8	10.138	15.187	306										
				3000	-41.0	11.721	17.574	306										
				2800	-47.2	15.712	24.226	302										
				2600	-51.0	21.247	33.320	299										
				2450	-56.5	26.732	43.006	295										



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 22	2255	+00	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
054	4572	+017	+041
048	4420	+008	+039
045	4267	+009	+041
038	4115	+019	+035
034	3962	+007	+031
032	3810	-002	+029
028	3658	-003	+022
023	3505	-006	+013
020	3353	-015	+013
019	3200	-005	+016
016	3048	-002	+008
016	2896	-001	+004
011	2743	+003	+005
013	2591	+003	+001
009	2438	-004	+003
009	2408	-004	+004

THERMODYNAMICS

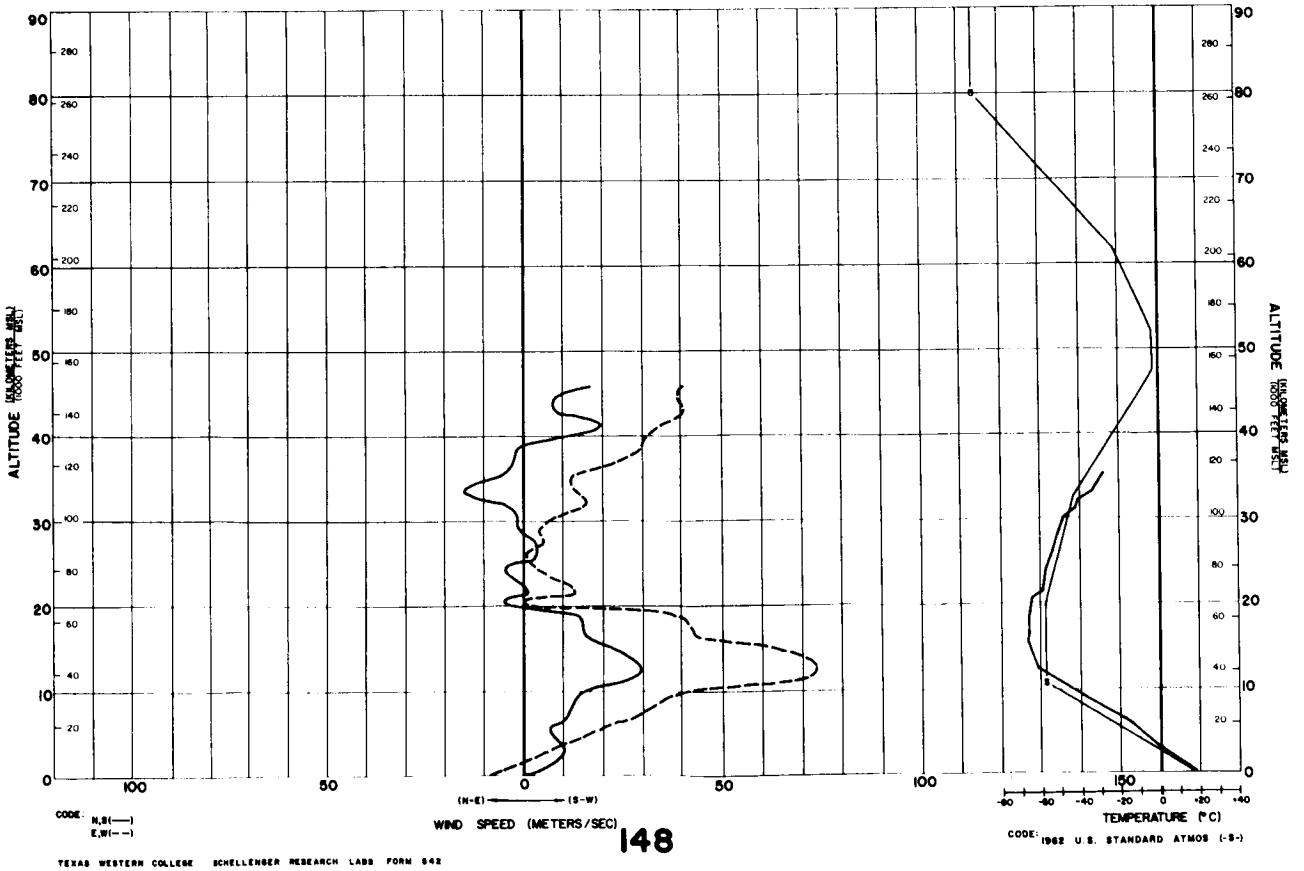
A MSL	TDC	PMB	D	SOS
3500	-28.0	05.648	08.026	314
3400	-30.3	06.485	09.303	313
3300	-33.5	07.457	10.841	311
3200	-40.5	08.602	12.881	306
3100	-42.1	09.950	15.002	305
3000	-48.5	11.538	17.893	301
2800	-51.4	15.611	24.525	299
2600	-53.4	21.216	33.635	298
2408	-57.7	28.600	46.246	295

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0006.8	3353				-41.2
0008.5	3200	-007	+010		-44.8
0010.7	3048	-004	+008		-48.0
0013.4	2896	-004	+006		-52.5
0017.0	2743	-003	+004		-55.6
0021.5	2591	-002	-004		-54.0
0027.3	2438	+000	+011		-55.7
0044.2	2134	+001	+013		-58.8
0072.5	1829	+014	+041		-66.9
0119.7	1524	+019	+055		-66.7
0196.1	1219	+029	+073		-60.2
0312.5	0914	+013	+036	56	-38.8
0476.9	0610	+009	+023	35	-17.0
0706.3	0305	+010	+007	43	-00.5
1019.0	0000	+000	-008	81	+18.9
0010.0	3070	-004	+008		-46.5
0050.0	2046	-005	+000		-64.9
0100.0	1626	+016	+043		-66.0
0500.0	0572	+007	+021	39	-15.2
0700.0	0311	+010	+007	44	-01.0

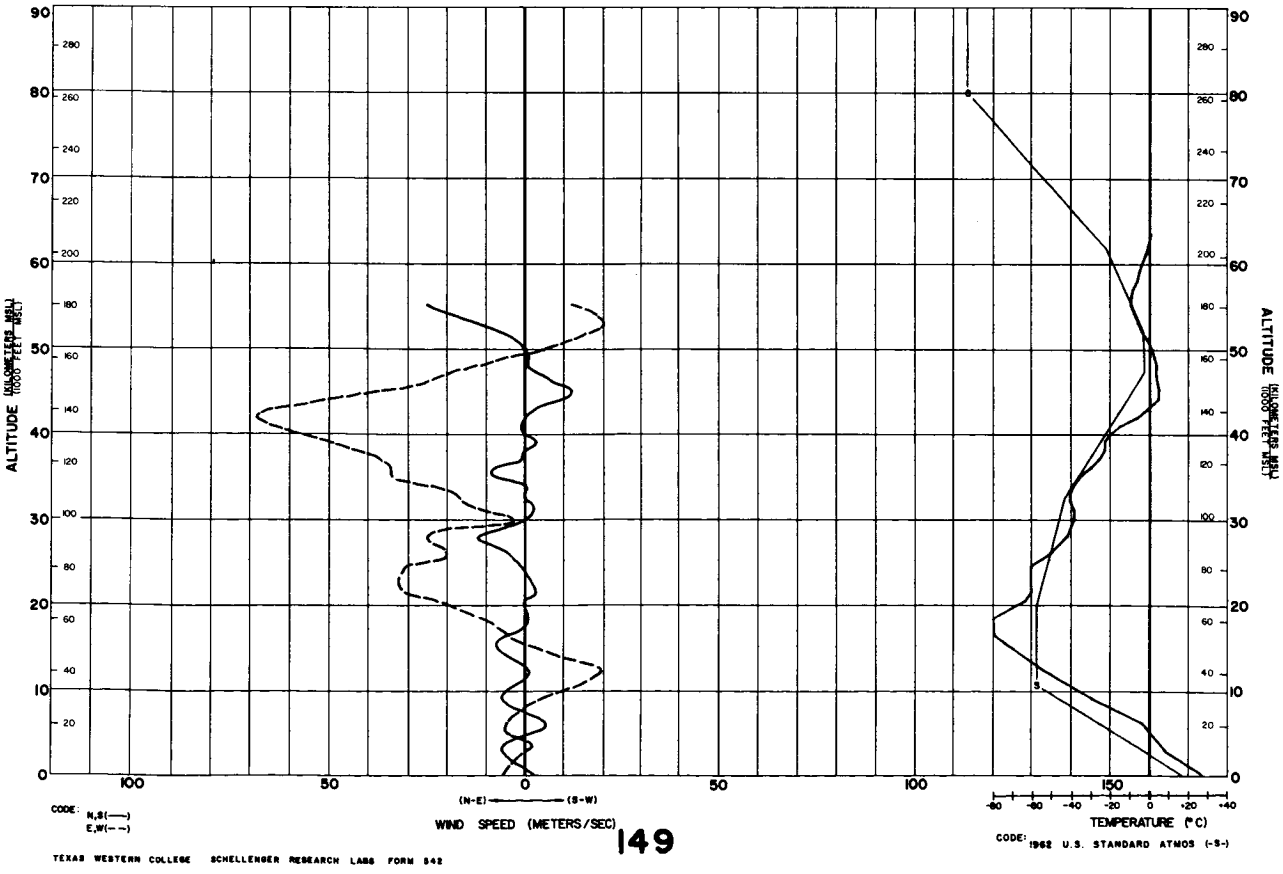


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 23	1300	-03	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
117	5500	-025	+012	6325	+00.7	00.164	00.209	332					0009.0	3200	+000	-016		-38.4
109	5400	-019	+018	6300	+00.5	00.169	00.216	332					0011.1	3048	-003	-009		-40.0
102	5300	-012	+020	6200	-00.7	00.191	00.244	331					0013.9	2896	-010	-010		-40.3
096	5200	-006	+017	6100	-01.8	00.216	00.276	331					0017.4	2743	-003	-026		-46.2
091	5100	-002	+012	6000	-03.3	00.244	00.315	330					0021.9	2591	-003	-020		-49.8
086	5000	+000	+005	5900	-04.8	00.277	00.360	329					0027.7	2438	+007	-028		-60.3
082	4900	+001	-004	5800	-06.3	00.313	00.408	328					0044.9	2134	+003	-030		-60.5
077	4800	+001	-013	5700	-07.9	00.355	00.466	327					0074.5	1829	+001	-010		-80.2
072	4700	+004	-021	5600	-09.3	00.403	00.533	326					0126.5	1524	-007	+001		-73.8
067	4600	+008	-026	5500	-09.4	00.457	00.604	326					0207.7	1219	+001	+019	25	-54.3
063	4500	+012	-036	5400	-07.8	00.519	00.681	327					0324.8	0914	-006	+004	22	-30.2
060	4400	+009	-050	5300	-05.8	00.589	00.766	328					0487.0	0610	+005	-004	18	-04.2
054	4300	+003	-063	5200	-03.5	00.667	00.861	330					0710.6	0305	-006	+001	34	+08.0
050	4200	+000	-068	5100	-01.1	00.754	00.966	331					1006.1	0008	+002	-006	68	+26.6
046	4100	-001	-064	5000	+01.1	00.853	01.085	332					0010.0	3102	-001	-014		-37.4
042	4000	+000	-057	4900	+02.0	00.963	01.221	333					0050.0	2056	+000	-023		-62.9
038	3900	+003	-050	4800	+02.6	01.088	01.374	333					0100.0	1653	-004	-004		-79.7
034	3800	+000	-042	4700	+03.3	01.228	01.548	334					0500.0	0587	+005	-005	17	-02.4
028	3700	-001	-037	4600	+04.1	01.387	01.742	334					0700.0	0317	-006	+002	30	+07.1
028	3600	-007	-034	4500	+04.6	01.565	01.964	334										
026	3500	-008	-034	4400	+04.4	01.768	02.219	334										
023	3400	+000	-026	4300	-00.2	01.998	02.555	332										
023	3300	+000	-018	4200	-07.1	02.266	02.973	327										
021	3200	+001	-016	4100	-15.3	02.578	03.482	322										
019	3100	+002	-011	4000	-19.9	02.941	04.037	319										
016	3000	+000	-003	3900	-22.0	03.362	04.664	318										
015	2800	-012	-025	3800	-22.4	03.845	05.340	318										
012	2600	-004	-020	3700	-25.7	04.401	06.192	316										
011	2450	-001	-031	3600	-29.9	05.052	07.248	313										
				3500	-35.0	05.812	08.483	310										
				3400	-38.3	06.705	09.949	308										
				3300	-40.4	07.746	11.589	306										
				3200	-40.6	08.953	13.409	306										
				3100	-38.5	10.344	15.354	307										
				3000	-38.4	11.950	17.760	308										
				2800	-42.2	15.976	24.088	305										
				2600	-50.8	21.539	33.709	299										
				2450	-60.3	27.194	44.489	293										



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 23	1446	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
092	5334	+018	+014
082	5182	+011	+008
076	5029	+006	+002
070	4877	+005	-003
064	4724	+002	-006
056	4572	-005	-016
051	4420	-003	-030
046	4267	+008	-030
041	4115	+005	-032
037	3962	+001	-027
033	3810	+008	-015
029	3658	+005	-009
026	3505	+004	-001
023	3353	+007	+002
021	3200	+006	+005
018	3048	+000	+013
015	2896	+005	+002
012	2743	-002	+002
010	2591	+000	-007
009	2438	-002	-011

THERMODYNAMICS

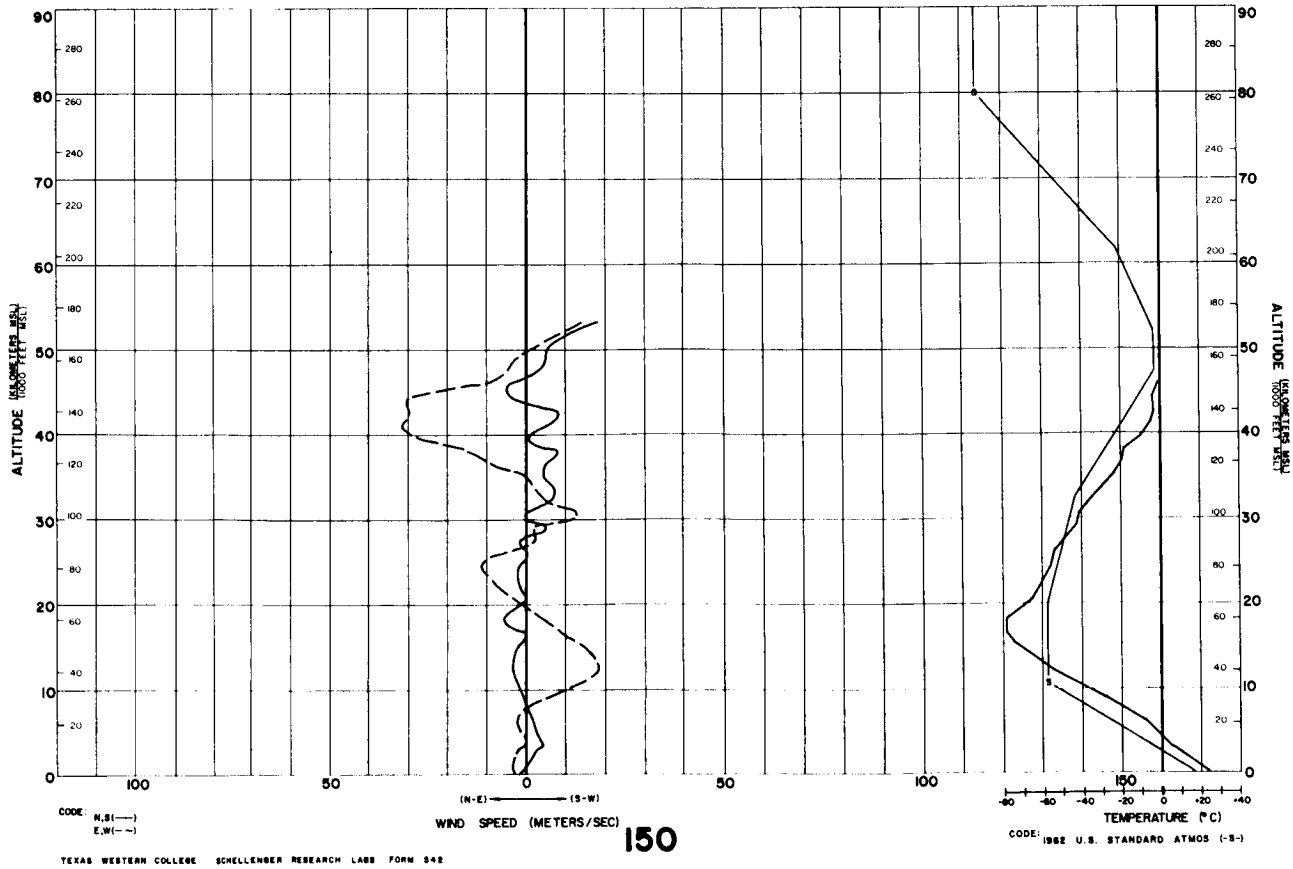
A MSL	TDC	PMB	D	SOS
4572	-01.5	01.460	01.873	331
4420	-03.9	01.764	02.283	329
4267	-04.3	02.135	02.766	329
4115	-05.1	02.584	03.362	329
3962	-10.3	03.135	04.166	325
3810	-17.7	03.824	05.216	321
3658	-19.7	04.674	06.418	320
3505	-23.7	05.734	08.015	317
3353	-30.1	07.072	10.135	313
3200	-36.4	08.760	12.850	309
3048	-41.5	10.946	16.497	305
2896	-42.9	13.659	20.671	305
2743	-49.3	17.154	26.691	300
2591	-54.1	21.625	34.408	297
2438	-56.3	27.400	44.030	296

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0010.9	3048	+002	+012		-43.1
0013.7	2896	+002	+005		-46.1
0017.2	2743	-001	-001		-46.6
0021.7	2591	+002	-009		-53.0
0027.4	2438	-002	-011		-56.3
0044.5	2134	-001	-006		-62.6
0074.1	1829	-006	+004		-77.8
0125.8	1524	-002	+013		-74.7
0206.5	1219	-003	+018	30	-53.5
0323.3	0914	-001	+006	25	-28.6
0484.5	0610	+002	-002	23	-07.8
0709.0	0305	+003	-002	30	+05.8
1015.2	0000	-002	-003	85	+23.8
0010.0	3087	+002	+010		-41.8
0050.0	2051	+000	-003		-66.5
0100.0	1650	+000	+009		-78.4
0500.0	0583	+002	-002	22	-06.6
0700.0	0315	+004	-001	29	+05.2

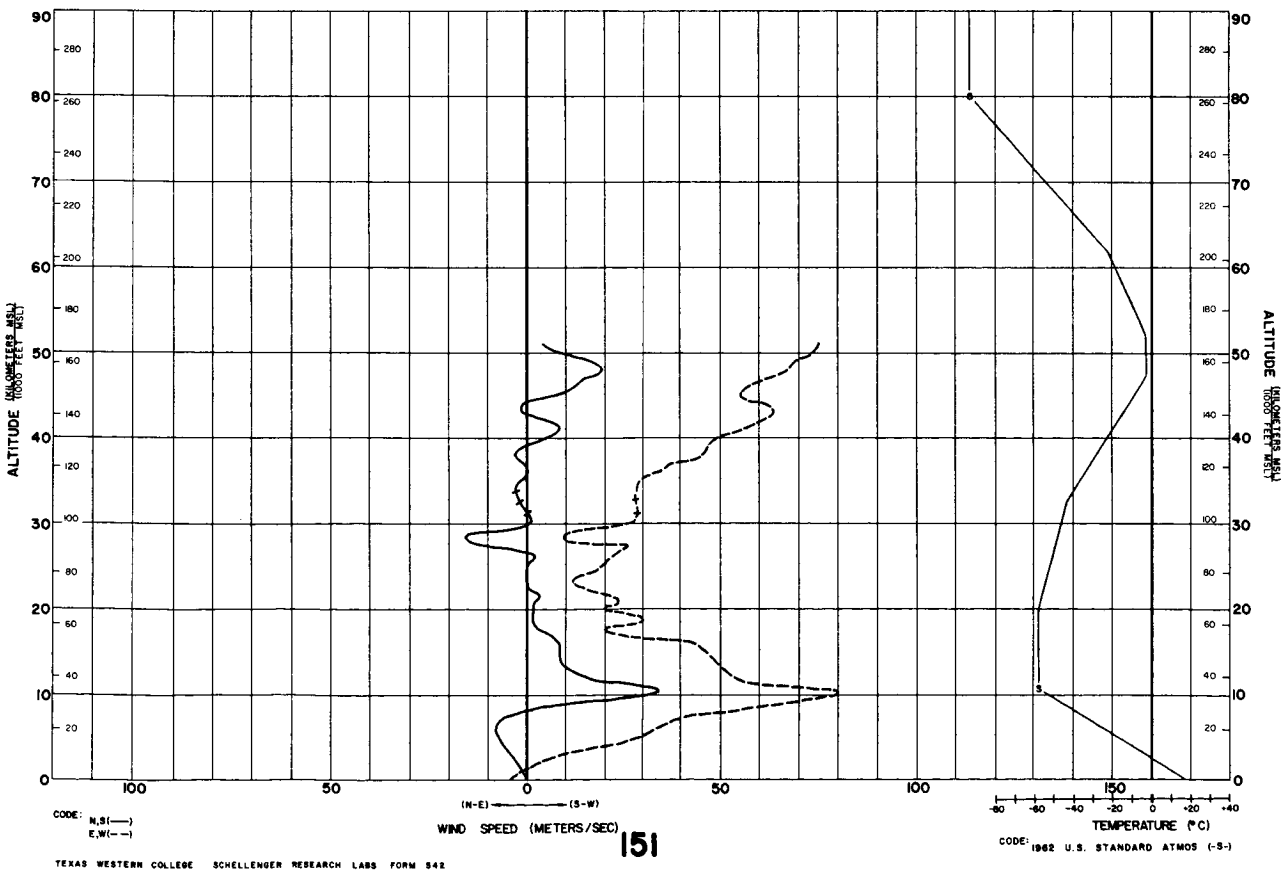


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 23	1504	-04	06	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
033	5100	+004	+075										0011.0	3019	+001	+027		-51.4
029	5000	+009	+073										0014.5	2841	-016	+009		-55.8
026	4900	+016	+069										0017.0	2736	-008	+026		-52.0
024	4800	+019	+067										0020.0	2632	+002	+022		-52.8
022	4700	+015	+062										0025.0	2487	+000	+019		-53.5
021	4600	+012	+057										0030.0	2369	+000	+013		-56.1
020	4500	+008	+055										0033.0	2308	+000	+012		-57.7
018	4400	-001	+061										0041.0	2167	+003	+020		-53.3
018	4300	-001	+063										0052.0	2016	+002	+020		-60.5
018	4200	+006	+061										0068.0	1851	+002	+030		-57.8
017	4100	+008	+056										0070.0	1830	+002	+029		-58.5
018	4000	+005	+049										0080.0	1746	+003	+020		-61.8
018	3900	+000	+047										1036.8	0000	+000	-004	72	-02.2
017	3800	-003	+046										0050.0	2043	+002	+023		-59.1
017	3700	-001	+039										0100.0	1607	+008	+042		-60.9
016	3600	+000	+035										0150.0	1354	+009	+049		-60.7
015	3500	-001	+030										0200.0	1174	+016	+054		-60.3
014	3400	-003	+028										0250.0	1033	+034	+080		-55.0
													0300.0	0914	+014	+067		-47.2
													0400.0	0720	-006	+041	28	-37.5
													0500.0	0561	-008	+032	23	-23.4
													0700.0	0308	-004	+009	27	-10.4
													0850.0	0157			43	-04.4
													1000.0	0029			76	-04.0



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 23	1557	-04	03	02	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
058	4542	+018	+020
056	4420	+010	+024
048	4267	+003	+024
042	4115	+002	+026
039	3962	+001	+028
034	3810	+001	+025
029	3658	+002	+023
026	3505	-005	+031
023	3353	+000	+019
020	3200	+003	+009
017	3048	+000	+006
013	2896	+006	+001
013	2743	+000	-001
009	2591	+002	+000
010	2438	-010	+002
008	2347	-002	+002

THERMODYNAMICS

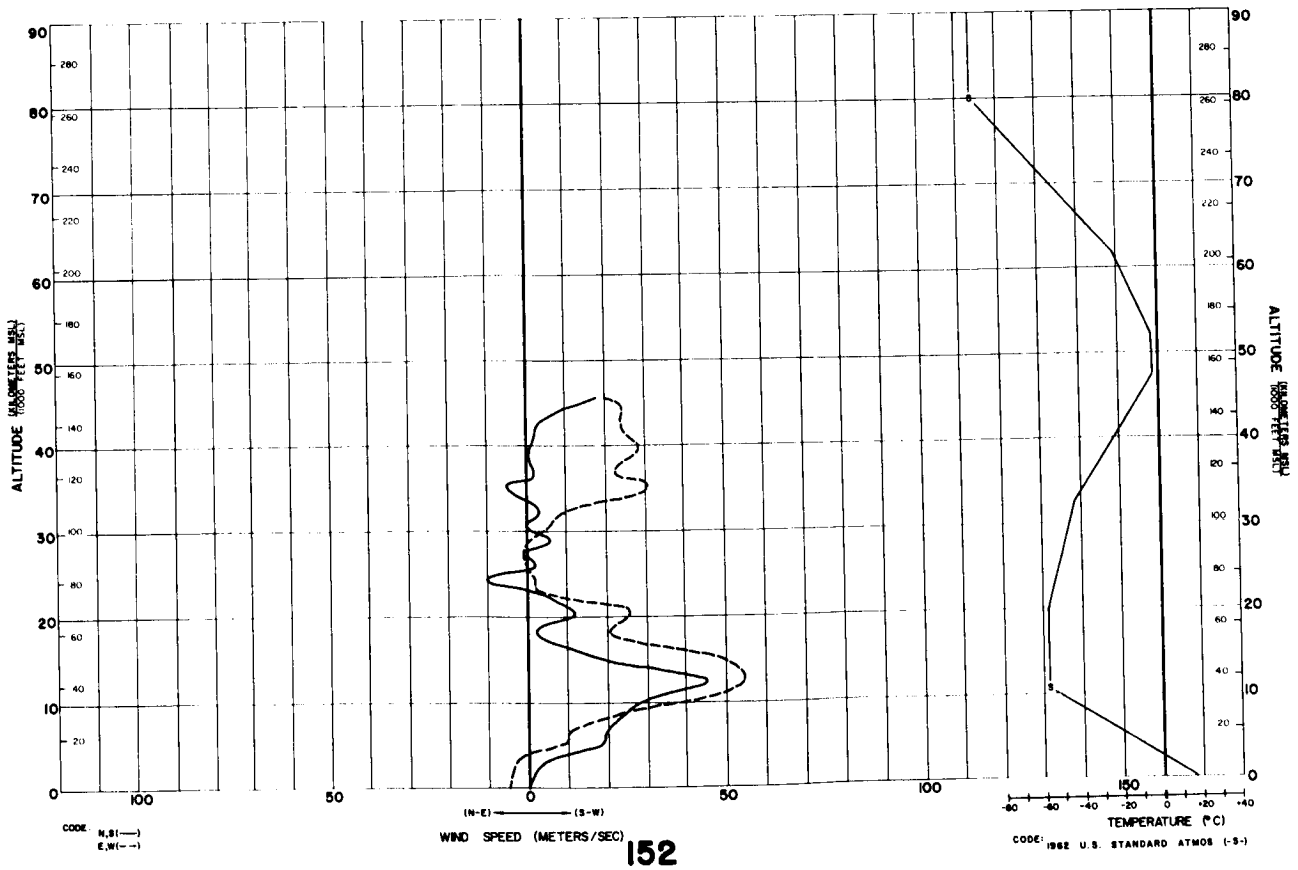
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0013.5	2900				-50.5
0017.0	2750	-004	-009		-52.7
0021.4	2600	-001	+006		-54.8
0027.1	2450	-005	+008		-58.3
0045.3	2125	+009	+021		-59.4
0073.6	1825	+002	+021		-67.9
0120.5	1525	+016	+046		-64.3
0197.0	1225	+045	+054	53	-59.2
0310.5	0925	+026	+028	62	-37.2
0484.7	0600	+019	+010	93	-13.0
0709.5	0300	+004	-003	96	+00.9
1016.9	0000	+000	-005	91	+18.1
0050.0	2053	+012	+026		-60.0
0100.0	1632	+011	+035		-66.3
0500.0	0574	+019	+010	95	-11.7
0700.0	0310	+005	-003	96	+00.6



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 23	1800	-02	01	02	12			00	6013	5500			3

ROCKET WINDS

FV	A MSL	COMP	WNDS
181	6013	+024	+088
174	6000	+023	+090
140	5900	+002	+098
123	5800	+040	+071
113	5700	+020	+083
104	5600	+033	+058
096	5500	+019	+055
090	5400	+027	+041
084	5300	+020	+048
080	5200	+016	+043
074	5100	+007	+050
069	5000	+007	+052
065	4900	+003	+049
061	4800	+008	+046
058	4700	-013	+046
055	4600	-013	+046
052	4500	-011	+047
050	4400	-005	+053
047	4300	+002	+053
042	4200	+011	+055
037	4100	+010	+047
035	4000	+008	+043
032	3900	+004	+044
030	3800	-007	+046
031	3700	-008	+040
030	3600	-001	+033
026	3500	-003	+030
022	3400	+006	+030
021	3300	+002	+019
020	3200	+008	+017
019	3100	+005	+022
016	3000	+005	+029
014	2800	+009	+022
011	2600	+001	+013
010	2400	+008	+027
007	2200	+002	+022
007	2100	+005	+016
005	2003	-011	+010

THERMODYNAMICS

A MSL	TDC	PMB	D	SOS
5949	-14.7	00.245	00.329	322
5814	-10.1	00.291	00.385	325
5707	-16.4	00.334	00.453	321
5641	-14.9	00.364	00.491	322
5509	-15.4	00.433	00.584	322
5362	-14.6	00.524	00.705	322
5243	-12.7	00.611	00.817	324
5148	-12.5	00.691	00.923	324
5016	-06.2	00.817	01.066	328
4949	-06.1	00.889	01.160	328
4870	-02.9	00.982	01.265	330
4707	-10.0	01.206	01.596	325
4644	-09.9	01.307	01.729	325
4473	-05.1	01.624	02.110	328
4374	-08.3	01.840	02.420	326
4326	-04.1	01.955	02.531	329
4222	-06.7	02.229	02.914	327
4196	-03.3	02.303	02.972	329
4131	-06.1	02.499	03.259	328
3960	-03.0	03.097	03.994	329
3815	-18.4	03.732	05.103	320
3778	-17.0	03.919	05.330	321
3732	-21.0	04.166	05.756	318
3711	-20.6	04.285	05.910	319
3677	-24.8	04.486	06.292	316
3640	-25.1	04.718	06.625	316
3610	-27.0	04.915	06.956	315
3403	-27.0	06.530	09.242	315
3309	-31.2	07.439	10.710	312
3157	-31.1	09.199	13.240	312
3045	-34.6	10.771	15.729	310
2994	-38.7	11.586	17.215	307
2944	-49.3	12.474	19.413	300
2805	-49.1	15.391	23.931	300
2765	-51.1	16.355	25.658	299
2651	-49.3	19.448	30.266	300
2536	-45.1	23.109	35.300	303
2467	-52.4	25.647	40.474	298
2311	-53.1	32.604	51.616	297
2121	-60.9	43.933	72.107	292

COMPOSITION

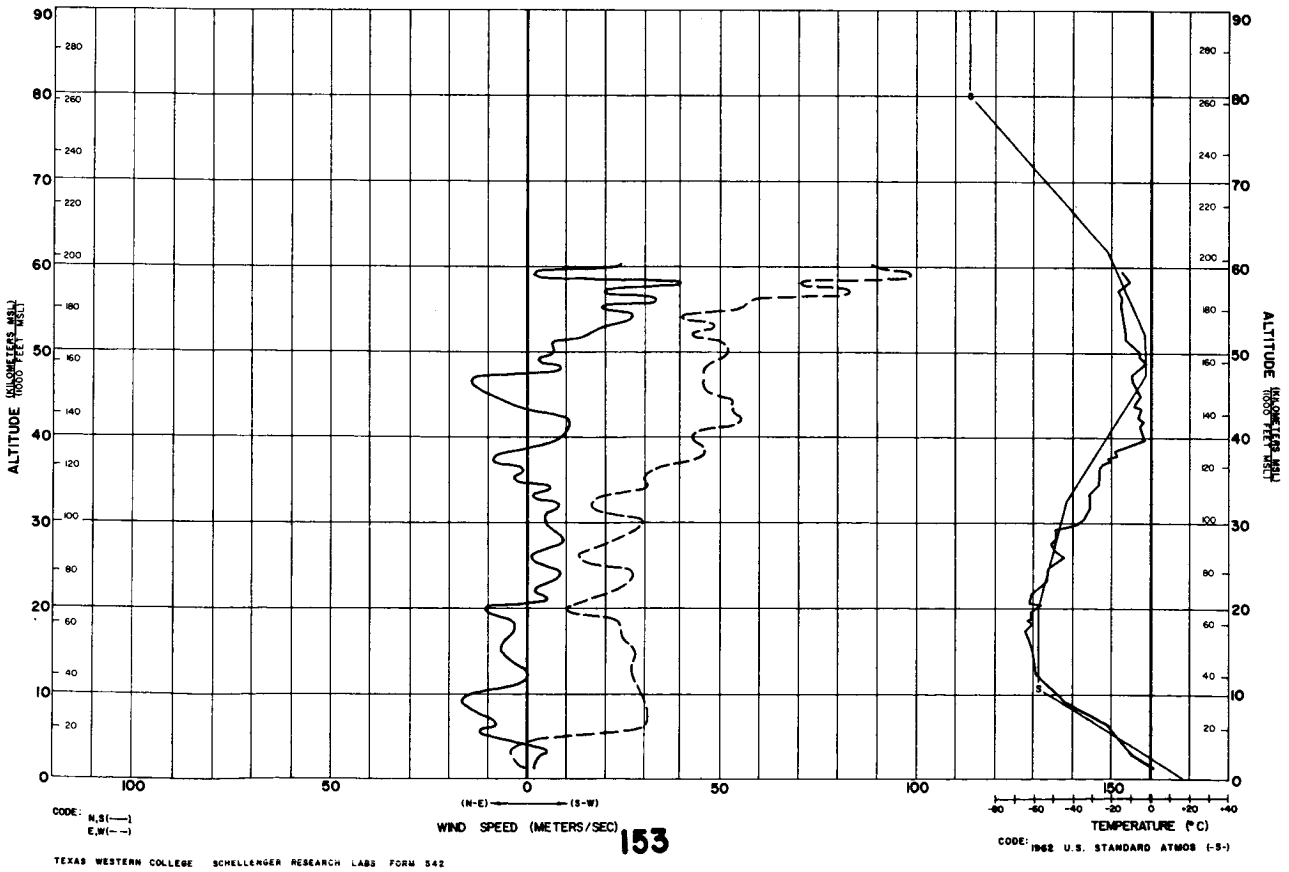
A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0026.8	2438				-56.8
0043.5	2134	-001	+014		-63.3
0071.3	1829	-003	+023		-67.8
0117.1	1524	-007	+027		-60.2
0189.6	1219	+000	+027		-58.6
0304.0	0914	-017	+030	14	-44.7
0468.4	0610	-008	+030	28	-20.4
0702.4	0305	+004	-004	50	-10.9
0886.9	0122	+002	-001	56	+01.8
0050.0	2040	-004	+015		-61.7
0100.0	1618	-006	+025		-64.4
0500.0	0561	-012	+025	28	-20.2
0700.0	0307	+005	-004	50	-11.1

THERMODYNAMICS (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
				2059	-61.7	48.521	78.939	292
				2045	-56.6	49.610	79.809	295
				1966	-60.1			
				1862	-60.5			
				1850	-62.3			
				1820	-60.8			
				1710	-64.0			
				1682	-62.6			



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR, NEW MEXICO	66 02 23	1805	-02	20	01	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
025	6599	-019	+085
027	6442	+005	+090
026	6283	+013	+089
014	6163	+006	+087
019	6062	+015	+084
021	5941	+004	+074
015	5831	+000	+065
012	5749	-005	+078
008	5688	+009	+076
021	5599	+028	+065
003	5526	+010	+069
015	5471	+027	+050

THERMODYNAMICS

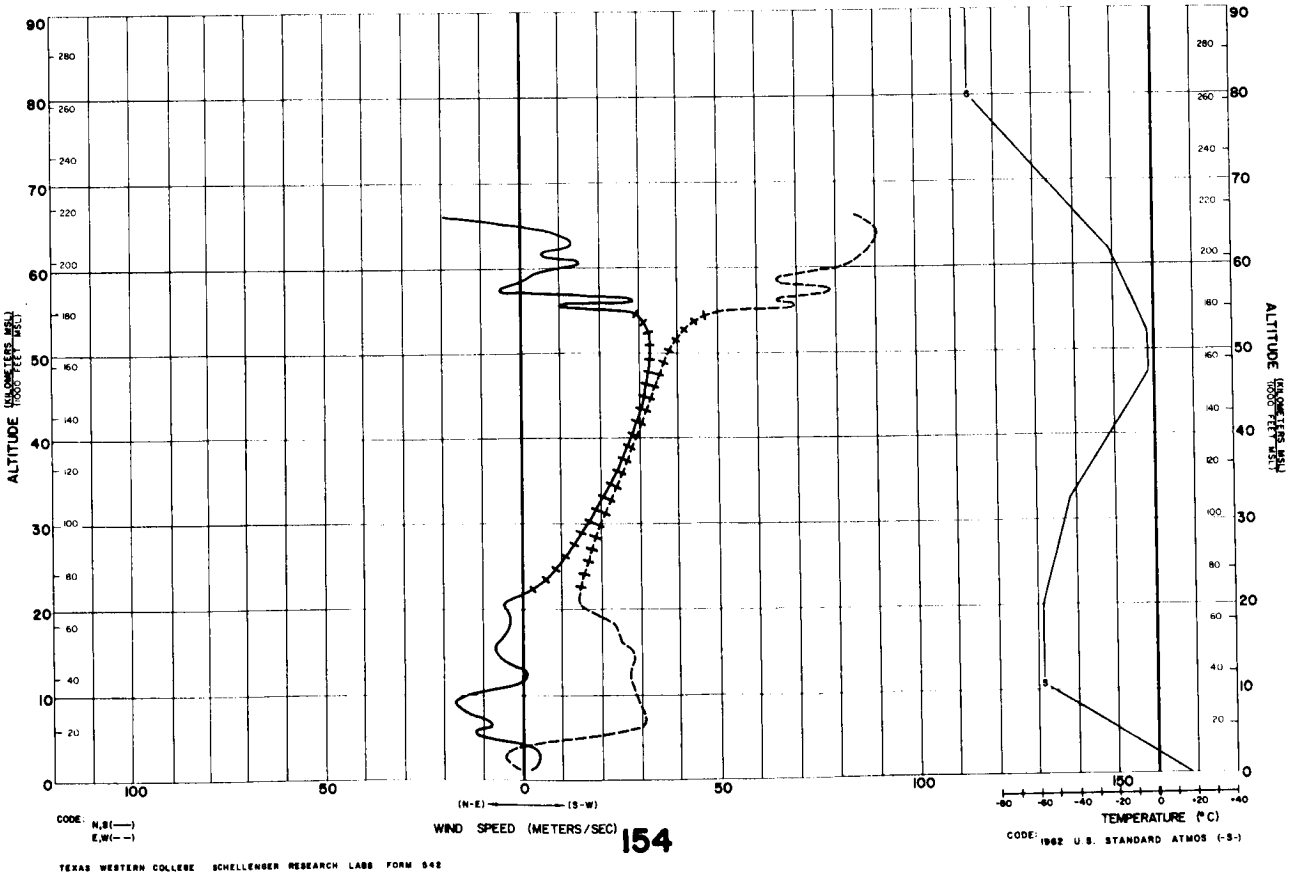
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0026.8	2438				-56.8
0043.5	2134	-001	+014		-63.3
0071.3	1829	-003	+023		-67.8
0117.1	1524	-007	+027		-60.2
0189.6	1219	+001	+027		-58.6
0304.0	0914	-017	+029	14	-44.7
0468.4	0610	-008	+030	28	-20.4
0702.4	0305	+004	-004	50	-10.9
0886.9	0122	+002	-001	56	+01.8
0050.0	2040	-004	+015		-61.7
0100.0	1618	-006	+025		-64.4
0500.0	0561	-012	+025	28	-20.2
0700.0	0307	+004	-004	50	-11.1

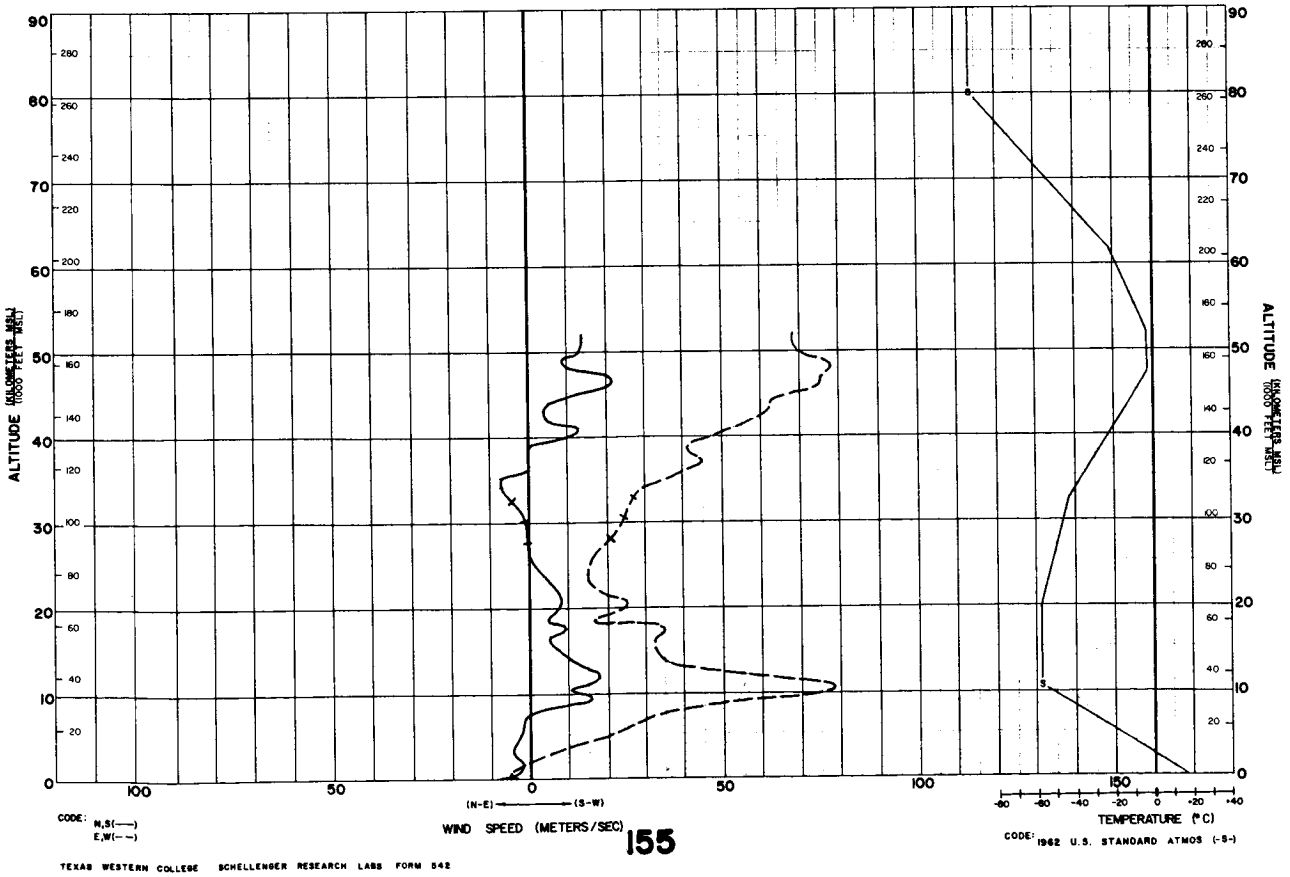


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 23	1817	-01	03	04	00			00	3600	3400			1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
091	5200	+014	+068										0019.0	2680				-52.5
087	5100	+014	+068										0020.0	2647	+000	+017		-52.3
087	5000	+013	+069										0030.0	2382	+004	+015		-51.4
087	4900	+009	+076										0068.0	1856	+005	+017		-61.0
071	4800	+011	+078										0070.0	1840	+007	+022		-60.9
065	4700	+021	+076										0080.0	1757	+009	+035		-59.9
051	4600	+021	+075										1038.0	0000	-008	-003	67	+02.8
043	4500	+014	+069										0050.0	2053	+008	+025		-67.4
040	4400	+006	+063										0100.0	1617	+005	+033		-61.0
034	4300	+004	+062										0150.0	1362	+012	+036		-58.9
031	4200	+005	+058										0200.0	1182	+018	+059		-61.2
028	4100	+013	+053										0250.0	1041	+011	+078		-54.3
027	4000	+010	+047										0300.0	0921	+016	+057		-46.3
027	3900	+001	+042										0400.0	0726	-001	+032	32	-35.0
027	3800	+000	+042										0500.0	0567	-002	+024	26	-22.6
026	3700	+000	+045										0700.0	0311	-004	+006	19	-07.6
024	3600	+000	+041										0850.0	0159	-002	-002	24	-02.5
018	3500	-007	+037										1000.0	0030	-004	-005	59	+00.9
016	3400	-007	+030															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 23	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
065	4769	-004	-010
049	4422	-006	-009
040	4154	+000	-024
033	3934	+008	-030
030	3745	+000	-036
026	3578	+000	-031
023	3430	+001	-030
020	3300	+000	-028
020	3181	-002	-022
015	3077	+000	-019
016	2982	+005	-019
014	2891	+002	-012
014	2808	-002	-010
013	2728	-001	-016
011	2657	-004	-016
010	2562	-004	-011
009	2445	-005	-011
008	2340	-002	-010
008	2244	-001	-010
006	2161	-004	-009
006	2085	-002	-005
006	2012	-005	-007
006	1944	-006	-005

THERMODYNAMICS

A MSL	TDC	PMB	D	SOS
6235	-07.4	00.129	00.169	327
6090	-10.2	00.155	00.205	325
5970	-14.9	00.181	00.244	322
5885	-11.4	00.202	00.269	324
5645	-14.6	00.276	00.371	322
5555	-19.3	00.310	00.425	319
5390	-21.8	00.386	00.535	318
5290	-21.5	00.441	00.610	318
5240	-24.8	00.472	00.661	316
5080	-26.8	00.587	00.829	315
5000	-23.8	00.654	00.913	317
4880	-29.7	00.770	01.102	313
4805	-27.8	00.854	01.212	314
4675	-35.7	01.024	01.501	309
4610	-37.0	01.123	01.656	308
4570	-42.4	01.190	01.795	305
4420	-36.8	01.477	02.176	308
4350	-39.9	01.633	02.438	306
4285	-44.8	01.796	02.739	303
4150	-47.7	02.194	03.390	301
4035	-44.7	02.603	03.969	303
3750	-46.9	03.947	06.119	302
3650	-45.8	04.612	07.067	302
3570	-47.6	05.197	08.027	301
3505	-44.7	05.725	08.730	303
3455	-46.9	06.167	09.495	302
3400	-42.9	06.690	10.122	304
3360	-42.2	07.094	10.701	305
3310	-45.3	07.636	11.676	303
3150	-44.1	09.677	14.719	303
3045	-40.7	11.289	16.917	306
3005	-43.2	11.969	18.132	304
2900	-43.8	13.973	21.223	304
2755	-42.4	17.297	26.113	305
2690	-44.1	19.035	28.950	303
2445	-45.8	27.389	41.967	302
2350	-44.9	31.549	48.151	303
2240	-46.8	37.177	57.217	302
2130	-44.1	43.798	66.613	303
2070	-45.6	47.884	73.308	302

COMPOSITION

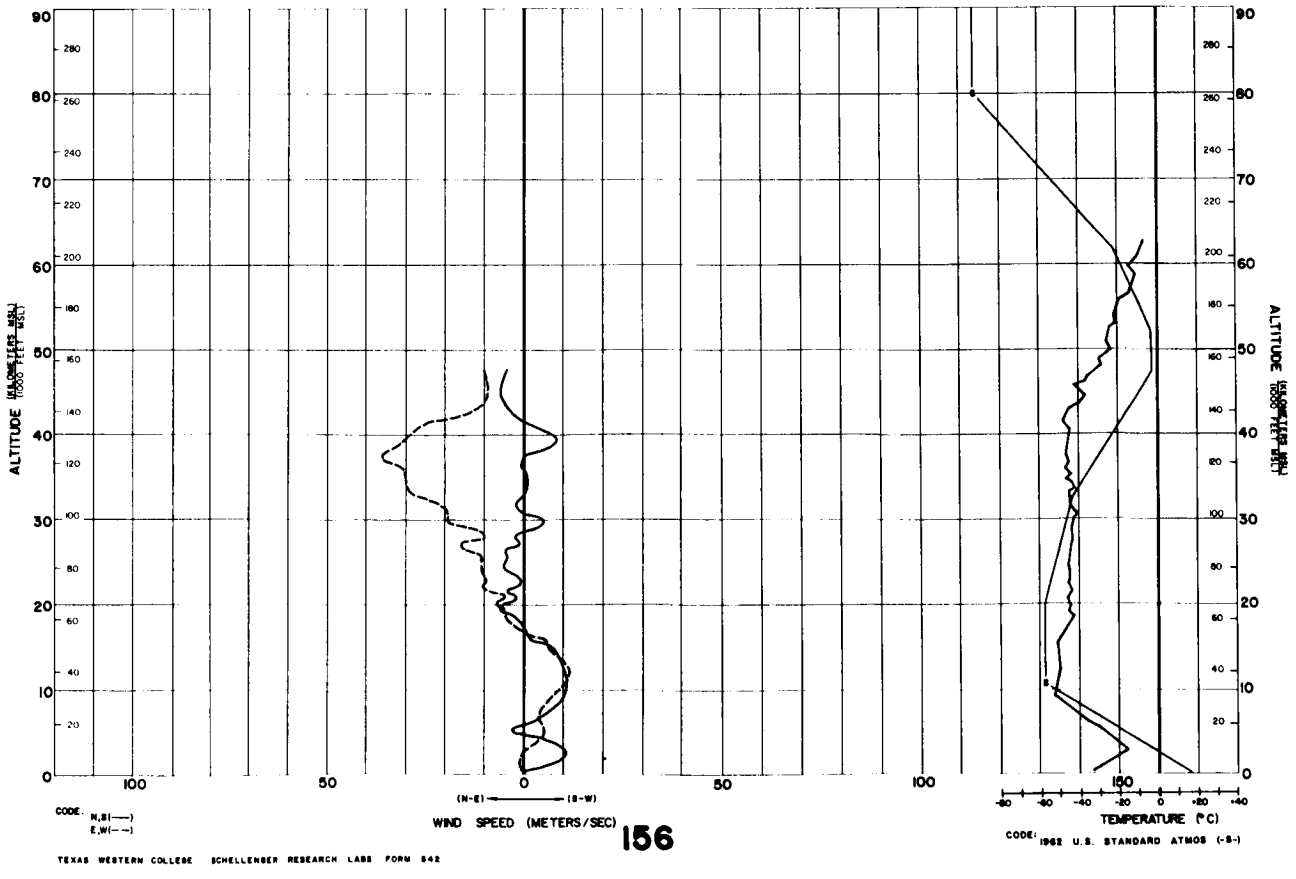
A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0027.7	2438	-002	-012		-46.3
0043.5	2134	-004	-009		-46.0
0068.8	1829	-002	-004		-45.5
0109.0	1524	+006	+006		-51.1
0174.0	1219	+011	+012		-50.0
0277.9	0914	+010	+007		-52.8
0439.8	0610	+002	+004	27	-36.1
0670.0	0305	+010	+001	28	-16.4
0951.5	0040	+000	+000	54	-33.4
0050.0	2041	-004	-010		-45.8
0100.0	1581	+002	+006		-50.5
0500.0	0519	-003	+005	28	-29.7
0700.0	0272	+011	+000	29	-15.1

THERMODYNAMICS (CONTINUED)

FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS
				2030	-48.3			
				1990	-44.0			
				1925	-44.9			
				1840	-42.6			

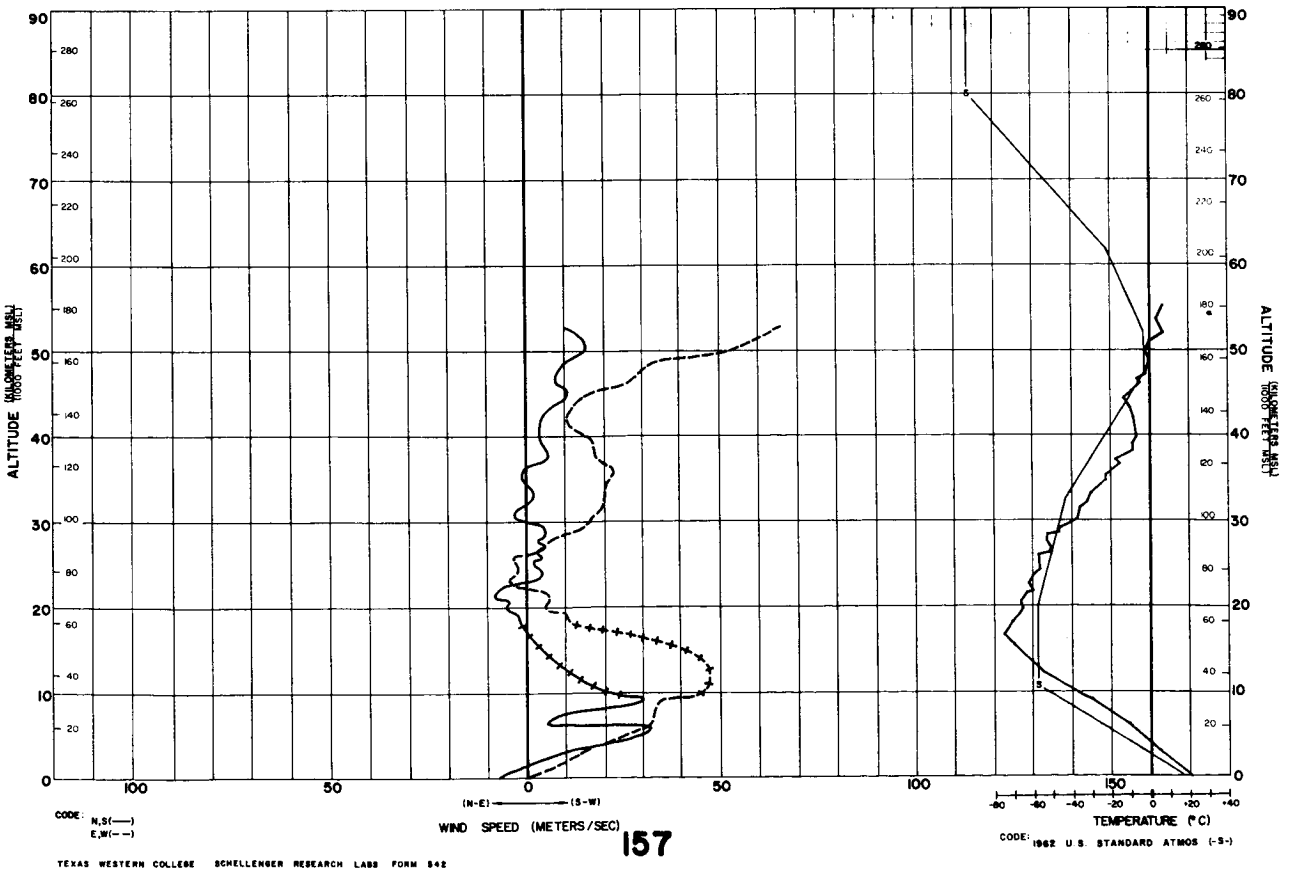


TEXAS WESTERN COLLEGE SCHELLENBER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHR	THT	THB	C
22509	PMR, BARKING SANDS, HAWAII	66 02 23	2022	+03	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
079	5280	+010	+066	5490	+06.7	00.466	00.580	335					0043.0	2134				-64.7
072	5050	+016	+056	5350	+03.7	00.552	00.694	334					0073.0	1829				-72.2
067	4840	+010	+033	5200	+06.5	00.661	00.823	335					0123.0	1524				-70.3
057	4650	+008	+027	5100	-00.2	00.747	00.953	331					0203.0	1219				-55.1
038	4500	+011	+018	5000	-02.2	00.845	01.086	330					0317.0	0914	+030	+036	41	-30.1
038	4220	+004	+011	4880	-00.5	00.981	01.253	331					0479.0	0610	+006	+032	16	-11.4
038	3920	+004	+017	4700	-02.3	01.226	01.576	330					0705.0	0305	+010	+014	93	+04.9
027	3760	+006	+018	4660	-06.1	01.288	01.680	328					1016.1	0000	-007	+000	66	+21.1
028	3600	+000	+022	4600	-04.7	01.389	01.803	328					0050.0	2055				-65.9
025	3430	+000	+021	4430	-13.8	01.726	02.318	323					0100.0	1646				-75.3
022	3300	+002	+020	4300	-09.7	02.041	02.699	325					0300.0	0954	+027	+042	39	-33.2
021	3170	-001	+019	4200	-08.6	02.319	03.053	326					0500.0	0578	+032	+030	23	-09.8
019	3050	-003	+017	3970	-06.5	03.106	04.057	327					0700.0	0312	+010	+014	93	+04.8
017	2940	+004	+015	3880	-08.5	03.482	04.583	326										
013	2850	+005	+009	3800	-08.6	03.856	05.077	326										
012	2780	+003	+006	3700	-16.9	04.390	05.968	321										
013	2710	+005	+005	3630	-15.3	04.813	06.502	322										
012	2630	+003	+002	3510	-21.8	05.644	07.822	318										
012	2570	+004	-003	3440	-22.4	06.201	08.615	317										
009	2520	+002	-003	3300	-31.4	07.515	10.830	312										
009	2400	+004	-002	3200	-31.7	08.645	12.472	311										
008	2310	+002	-004	3140	-35.9	09.410	13.817	309										
008	2220	-006	-002	3010	-36.6	11.330	16.685	308										
007	2130	-008	+006	2910	-45.7	13.109	20.078	302										
005	2060	-004	+006	2870	-45.7	13.914	21.310	302										
005	2000	-005	+005	2850	-52.6	14.341	22.651	298										
006	1930	-003	+010	2780	-53.0	15.969	25.269	297										
005	1860	-002	+011	2670	-50.7	18.898	29.594	299										
				2610	-52.0	20.712	32.625	298										
				2570	-57.1	22.036	35.532	295										
				2410	-56.5	28.315	45.529	295										
				2380	-59.3	29.685	48.357	293										
				2250	-62.3	36.535	60.363	291										
				2160	-58.7	42.177	68.514	294										
				2130	-63.4	44.250	73.493	290										
				2050	-66.4													
				1980	-65.0													
				1890	-66.8													
				1800	-71.3													

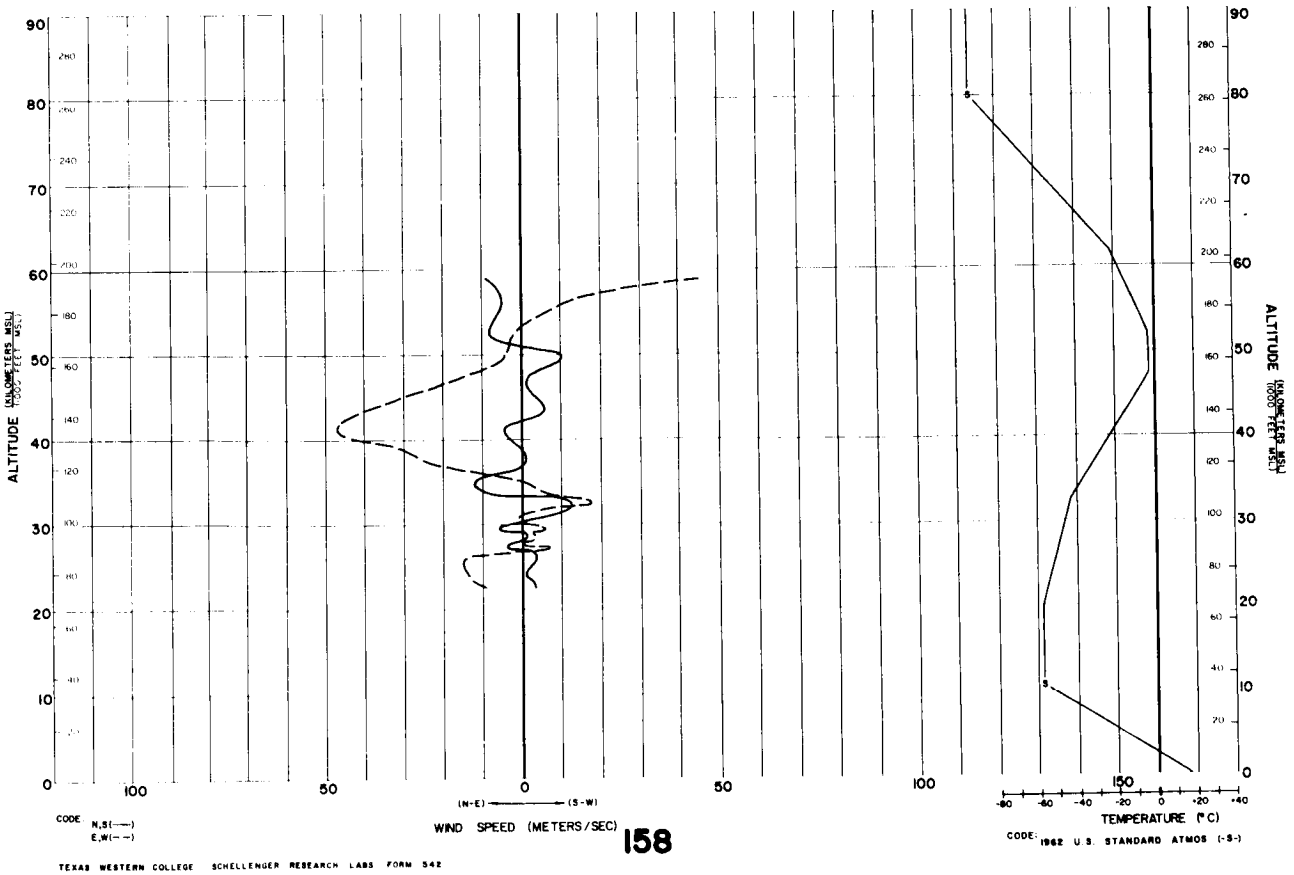


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHR	THT	THB	C
11503	HARP, SEAWELL, WEST INDIES	66 02 23	2238		18	02	00			00	5890	5598			1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
114	5890	-009	+045															
119	5598	-005	+011															
103	5265	-008	-002															
082	4988	+010	-004															
062	4679	+001	-019															
044	4361	+006	-040															
035	4125	-004	-047															
029	3932	-002	-033															
026	3764	+001	-024															
023	3616	-002	-014															
021	3484	-012	+000															
019	3362	-008	+007															
016	3255	+012	+017															
016	3159	+009	+004															
015	3068	+002	-001															
013	2956	-006	+006															
011	2914	+000	+003															
012	2844	+001	+003															
011	2775	-003	+000															
010	2714	-004	+007															
010	2627	+003	-007															
008	2621	+003	-013															
007	2428	+001	-014															
007	2341	+002	-013															
007	2257	+003	-009															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
93111	PMR, POINT MUGU, CALIF.	66 02 23	2320	+06	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
104	5731	-008	+072
112	5396	+008	+089
089	5128	+005	+048
075	4902	+008	+050
060	4722	+006	+047
054	4396	+005	+052
043	4137	+008	+049
035	3926	+003	+047
030	3746	-002	+043
028	3579	-002	+038
026	3423	+005	+034
022	3292	+004	+026
020	3179	+002	+018
018	3070	+002	+019
016	2972	+002	+020
014	2890	+003	+021
014	2804	+002	+021
013	2728	-001	+019
013	2652	+000	+018
011	2588	+001	+017
009	2478	-001	+015
009	2365	-002	+013
007	2277	+000	+013
007	2195	-001	+012
007	2115	-002	+010
006	2042	-004	+014
005	1981	-003	+014
006	1911	-002	+014
006	1844	-003	+013
003	1813	-005	+012

THERMODYNAMICS

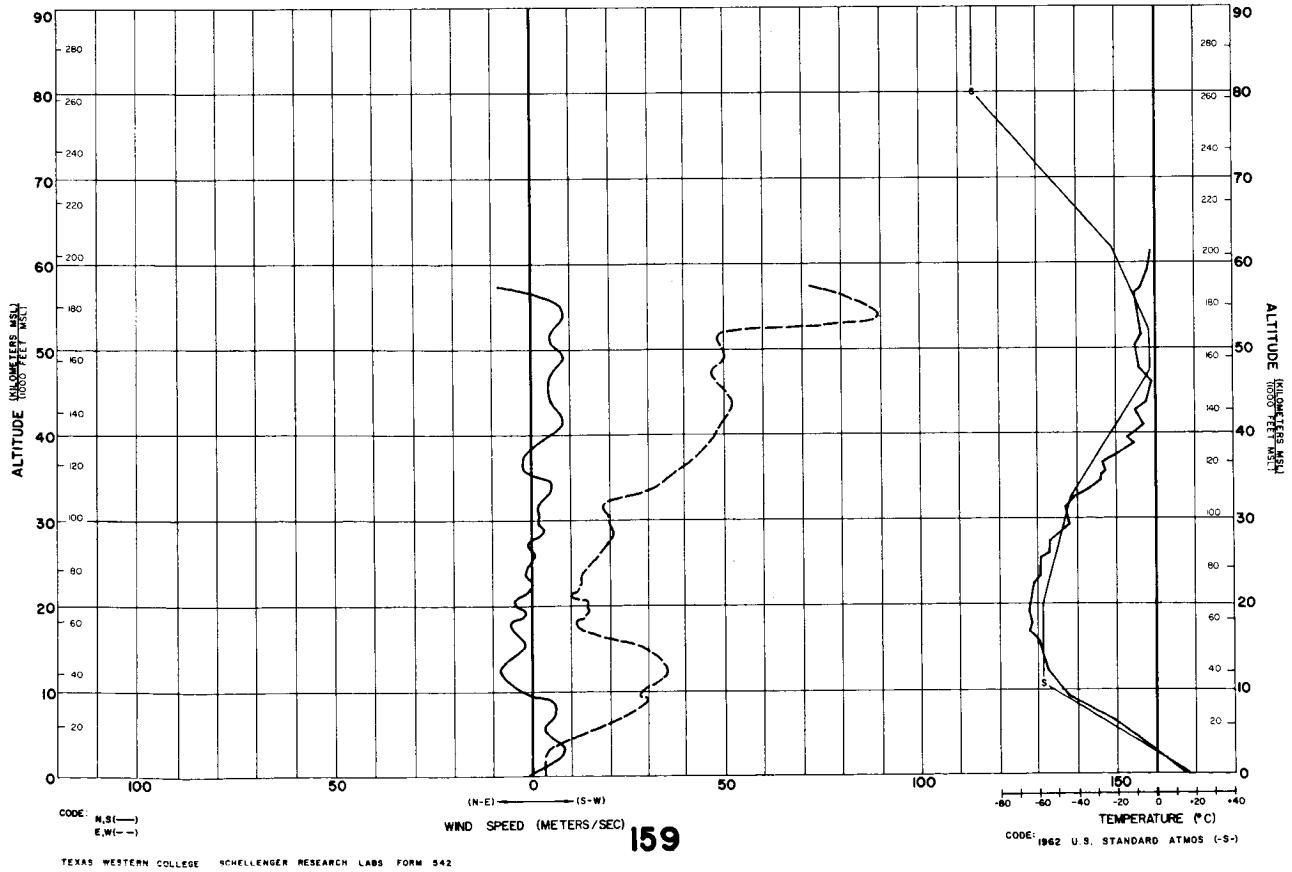
A MSL	TDC	PMB	D	SOS
6114	-01.9	00.197	00.252	330
5974	-03.3	00.234	00.302	329
5892	-03.8	00.259	00.335	329
5685	-08.3	00.336	00.442	326
5639	-10.9	00.357	00.473	325
5124	-07.2	00.687	00.899	327
5029	-10.1	00.775	01.026	325
4755	-08.3	01.099	01.445	326
4593	-02.0	01.347	01.730	330
4359	-05.6	01.804	02.349	328
4289	-10.5	01.972	02.616	325
4097	-06.4	02.519	03.289	327
3944	-14.6	03.066	04.130	322
3877	-10.8	03.344	04.440	325
3716	-21.0	04.131	05.706	318
3661	-27.0	04.450	06.298	315
3539	-25.2	05.258	07.387	316
3481	-28.1	05.693	08.093	314
3444	-28.9	05.992	08.546	313
3335	-33.5	06.977	10.143	310
3210	-42.3	08.351	12.602	305
3139	-46.5	09.275	14.256	302
2902	-44.3	13.191	20.080	303
2743	-53.8	16.773	26.639	297
2588	-54.8	21.322	34.018	296
2515	-58.9	23.906	38.870	293
2301	-58.3	33.526	54.359	294
2234	-62.0	37.300	61.540	291
1929	-64.9			
1789	-63.7			
1676	-64.2			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0005.5	3505	+001	+026		-32.8
0006.8	3353	+006	+023		-35.3
0008.5	3200	+002	+022		-38.7
0010.6	3048	+002	+021		-43.6
0013.4	2896	+000	+019		-46.8
0016.8	2743	+002	+019		-50.8
0021.3	2591	+001	+011		-51.7
0026.9	2438	+001	+014		-59.5
0044.2	2134	-004	+019		-63.0
0072.3	1829	-002	+024		-65.0
0118.2	1524	-002	+026		-59.4
0191.0	1219	-008	+035	18	-55.5
0306.2	0914	+004	+029	40	-43.8
0471.7	0610	+004	+020	13	-21.1
0702.0	0305	+008	+004	86	-03.2
1016.3	0000	-001	+003	62	+14.6
0010.0	3079	+004	+023		-42.3
0050.0	2051	-003	+010		-61.2
0100.0	1625	-003	+018		-61.9
0300.0	0927	+002	+028	40	-44.9
0500.0	0566	+003	+017	13	-18.5
0700.0	0307	+008	+004	88	-03.4



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
40604	PMR. KWAJALEIN. M.I.	66 02 24	0006	-01	03	01	00			00	5400	3000			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
037	5400	+000	+047
032	5300	+014	+017
029	5000	+004	+023
023	4900	-014	+039
023	4700	+012	+007
020	4600	+016	+006
024	4500	+006	-001
019	4400	-005	-006
018	4200	+006	-038
019	4100	-003	-014
016	4000	+008	-022
014	3900	+001	-004
014	3800	+004	-022
011	3700	+000	+001
012	3500	-008	+004
013	3200	+012	+004
010	3100	+007	+001
012	3000	+001	+006

THERMODYNAMICS

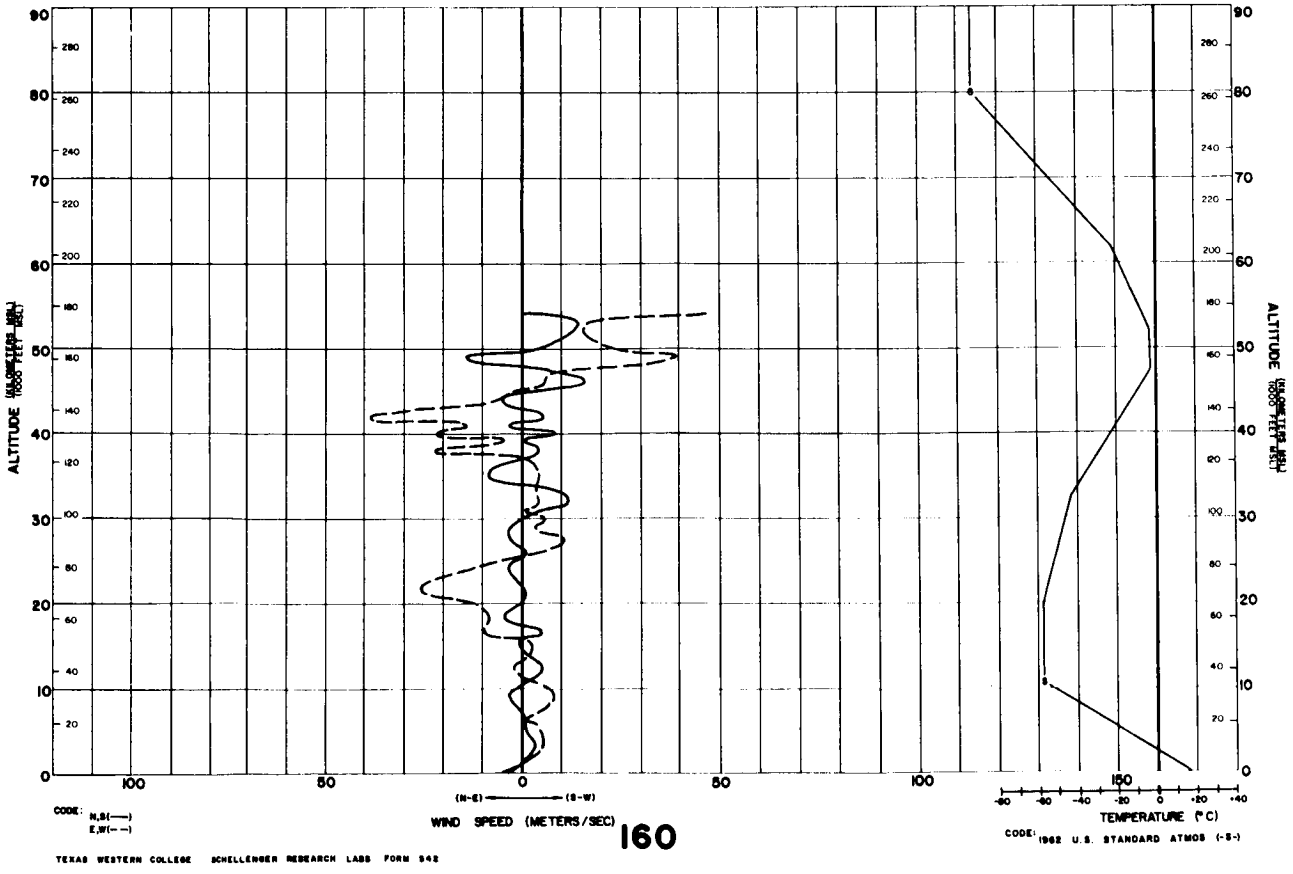
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.9	3200	+007	+005		-37.4
0011.1	3048	+005	+004		-41.3
0013.9	2896	-003	+003		-46.2
0017.5	2743	-003	+011		-50.6
0022.0	2591	+001	+003		-50.6
0027.8	2438	-003	-010		-50.3
0045.0	2134	+001	-025		-69.1
0075.3	1829	-004	-008		-81.0
0128.6	1524	-001	+002		-73.6
0209.8	1219	+005	-002		-49.2
0325.3	0914	-003	+008		-23.0
0485.7	0610	+001	+002		-04.7
0708.2	0305	+003	+005	16	+12.1
1010.4	0000	-004	-006	68	+29.4
0010.0	3109	+009	+006		-39.7
0050.0	2070	+001	-020		-70.1
0100.0	1669	+005	-009		-79.4
0500.0	0587	+001	+003		-03.0
0700.0	0314	+003	+005	19	+11.4

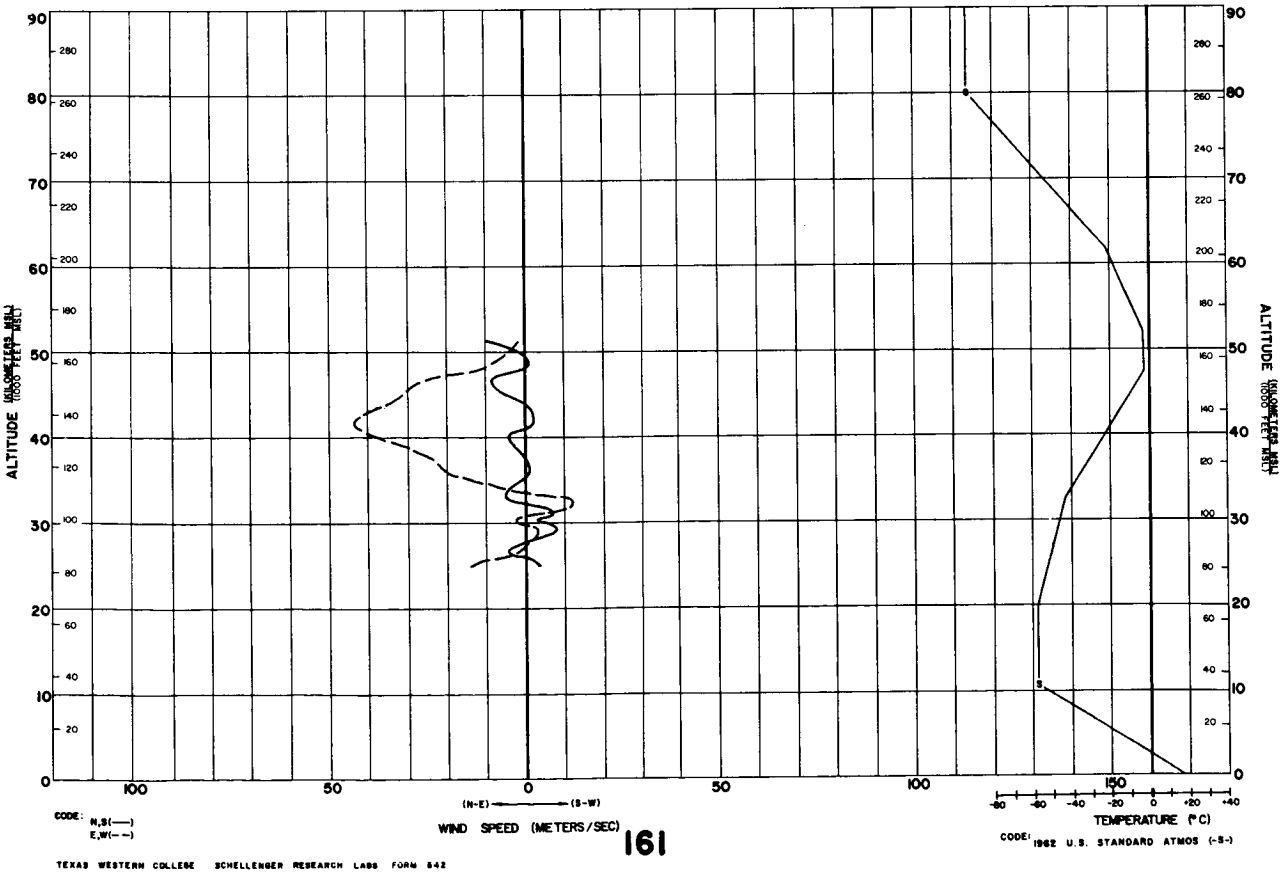


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11503	HARP, SEAWELL, WEST INDIES	66 02 24	0323		18	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
046	5119	-009	-002															
037	4866	+001	-008															
035	4649	-008	-027															
040	4425	-002	-033															
036	4196	+002	-043															
026	4008	-004	-038															
022	3867	-002	-029															
024	3730	+000	-023															
018	3603	+001	-021															
018	3494	-001	-014															
018	3388	-004	-004															
016	3288	-005	+011															
015	3195	+003	+012															
014	3108	+007	+004															
011	3034	+003	-002															
012	2931	+008	+003															
010	2797	+001	+001															
009	2671	-004	-002															
009	2571	+001	-008															
007	2474	+003	-014															

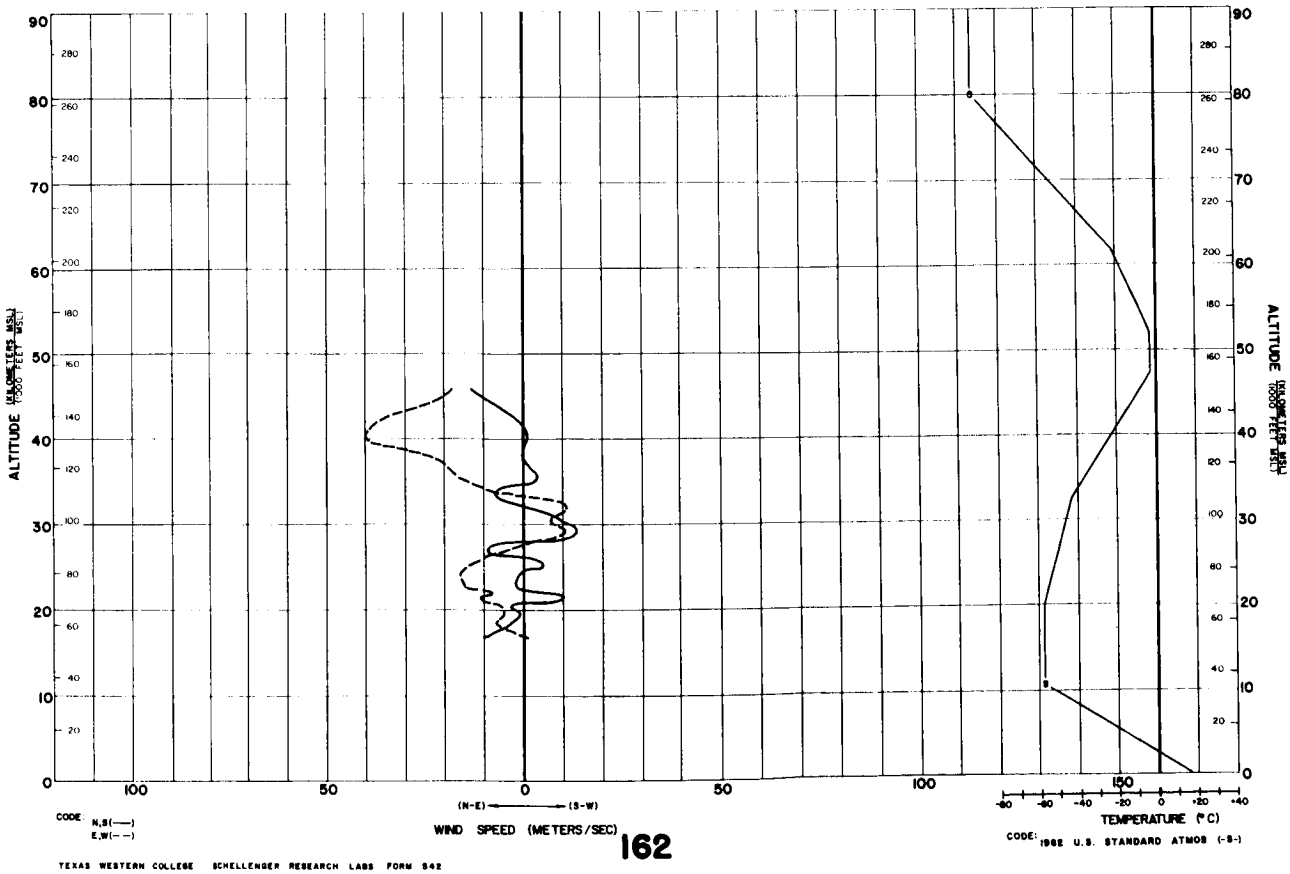


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RF	NAME + PLACE	DATE			TIME	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
			Y	M	D	Z												
11503		HARP, SEAWELL, WEST INDIES	66	02	24	0616		18	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
092	4580	-013	-018															
082	4318	-004	-030															
054	4033	+001	-040															
037	3760	+000	-022															
034	3548	+003	-017															
028	3362	-007	-004															
027	3198	+000	+011															
023	3048	+009	+007															
020	2932	+013	+011															
019	2800	+007	+002															
017	2693	-009	-004															
016	2596	+002	-010															
015	2504	+005	-013															
013	2422	-001	-016															
013	2346	-002	-016															
011	2274	-002	-015															
011	2208	+003	-008															
011	2144	+010	-011															
009	2058	-003	-006															
009	1951	-001	-005															
007	1855	-003	-007															
007	1770	-006	-004															
007	1689	-010	+001															

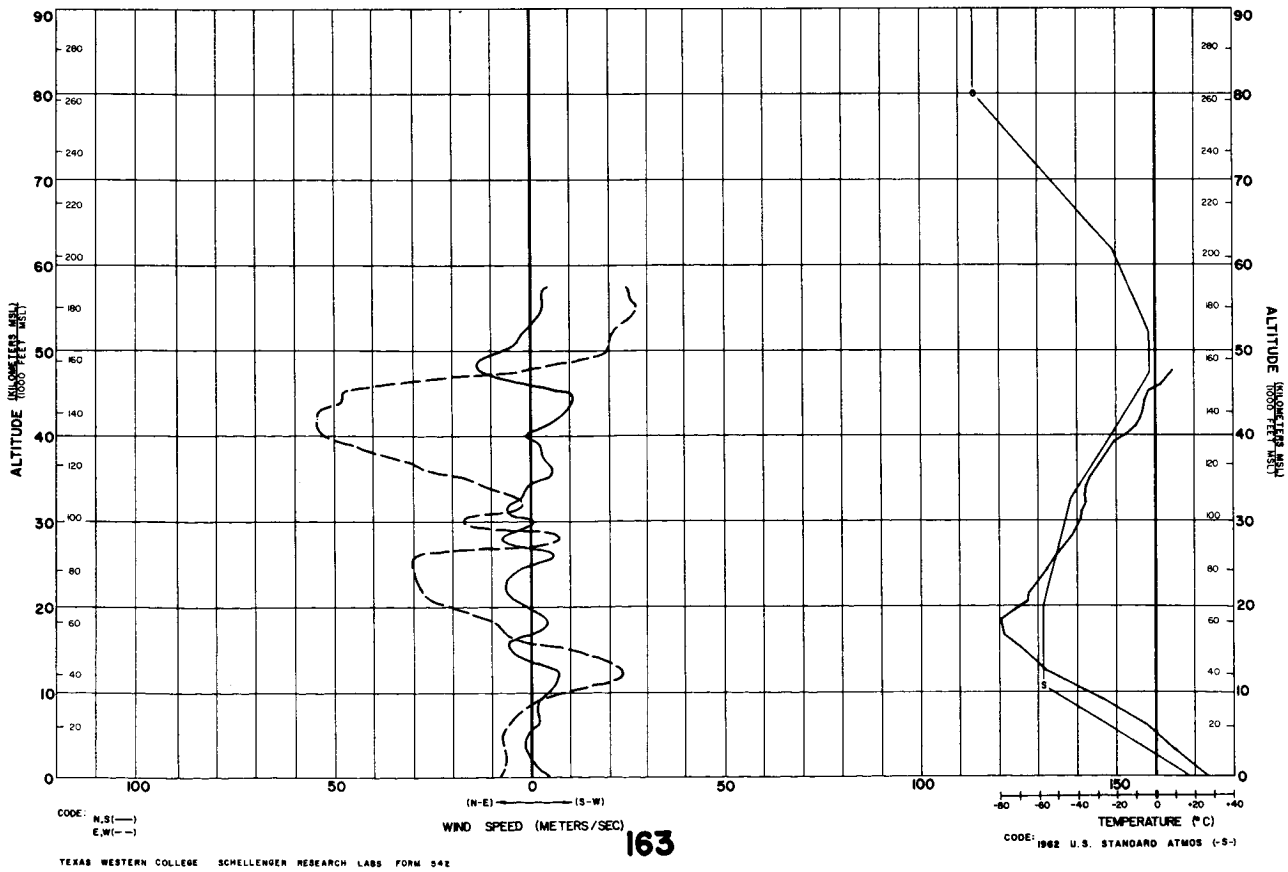


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 24	1245	-03	01	02	12								1

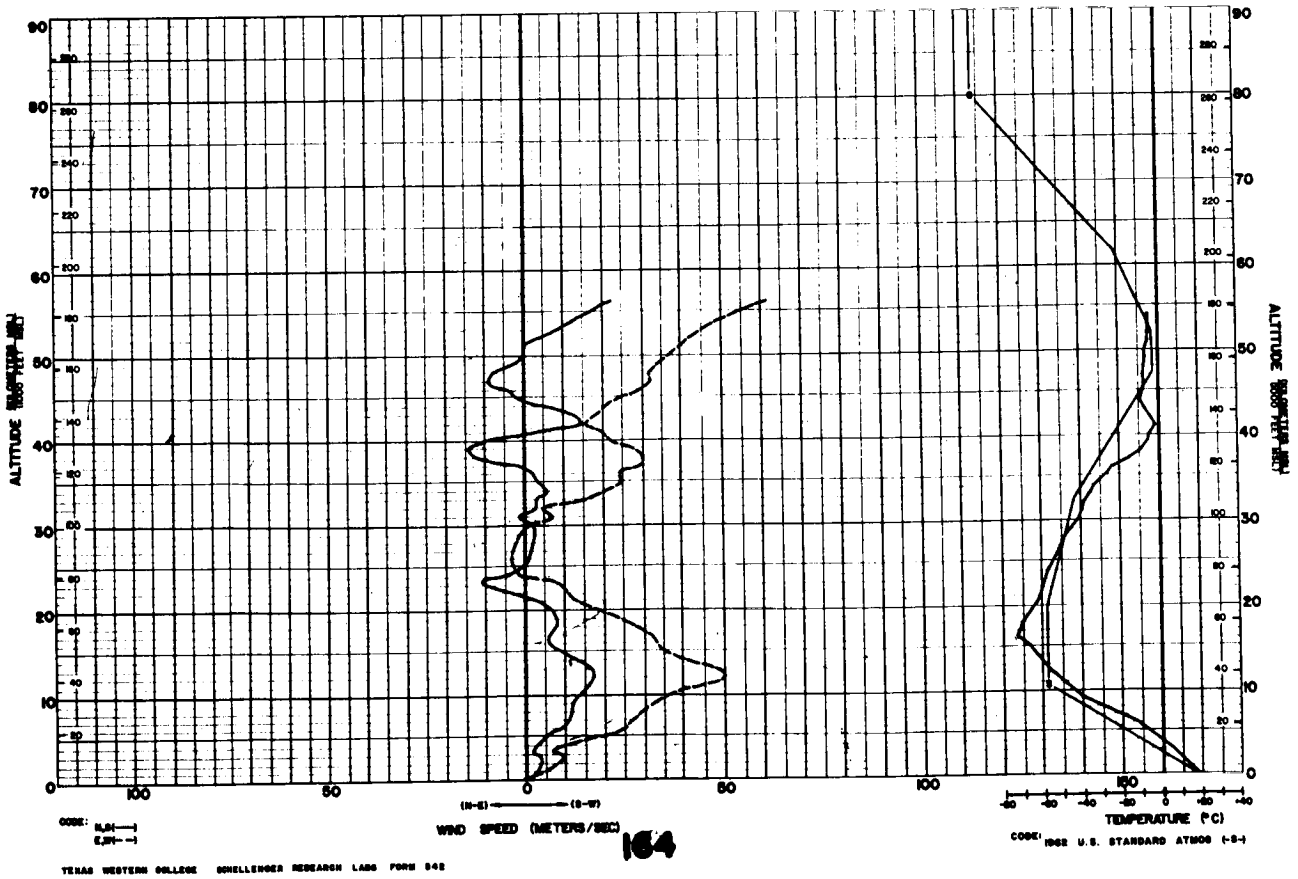
	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
123	5750	+004	+024	4750	+09.2	01.154	01.428	337					0008.9	3200	-005	-003		-37.3
120	5700	+003	+025	4700	+07.3	01.225	01.517	336					0011.1	3048	-005	-012		-39.2
112	5600	+003	+026	4600	+02.3	01.383	01.747	333					0013.8	2896	+002	-005		-44.0
105	5500	+003	+027	4500	-02.3	01.565	02.014	330					0017.3	2743	-008	-012		-42.9
098	5400	+002	+026	4400	-06.0	01.774	02.314	328					0021.7	2591	+006	-026		-51.5
092	5300	+000	+023	4300	-07.1	02.012	02.635	327					0027.5	2438	+002	-033		-55.5
087	5200	-002	+021	4200	-08.0	02.284	02.999	327					0044.8	2134	-006	-027		-65.9
081	5100	-003	+020	4100	-10.4	02.595	03.451	325					0074.7	1829	+004	-009		-79.1
075	5000	-007	+019	4000	-16.3	02.956	04.001	322					0126.3	1524	-006	+005		-70.9
071	4900	-012	+014	3900	-21.1	03.375	04.665	319					0207.5	1219	+007	+023	30	-54.4
068	4800	-013	+002	3800	-25.4	03.863	05.430	316					0324.7	0914	+002	+002	26	-28.5
064	4700	-008	-018	3700	-28.5	04.430	06.301	314					0486.6	0610	+002	-006	24	-05.7
059	4600	+001	-038	3600	-30.8	05.088	07.316	312					0710.6	0305	-007	-001	32	+10.0
055	4500	+010	-047	3500	-33.5	05.853	08.512	311					1005.8	0008	+004	-008	69	+26.7
051	4400	+011	-048	3400	-34.9	06.741	09.858	310					0010.0	3098	-008	-006		-37.6
047	4300	+009	-053	3300	-35.7	07.768	11.397	309					0050.0	2056	-003	-024		-65.0
044	4200	+007	-054	3200	-35.5	08.954	13.126	309					0100.0	1653	-002	-006		-78.8
042	4100	+002	-054	3100	-37.6	10.330	15.275	308					0500.0	0586	+001	-007	23	-03.9
039	4000	-001	-053	3000	-38.7	11.927	17.727	307					0700.0	0317	-007	-001	31	+09.0
035	3900	+002	-047	2800	-42.2	15.968	24.092	305										
032	3800	+003	-040	2600	-50.1	21.428	33.386	300										
030	3700	+004	-032	2450	-54.8	27.010	43.085	297										
028	3600	+006	-027															
026	3500	+005	-018															
023	3400	-001	-012															
022	3300	-002	-006															
020	3200	-005	-002															
018	3100	-006	-008															
017	3000	+001	-017															
014	2800	-007	+007															
011	2600	+006	-029															
010	2475	-001	-030															



METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 24	1245	-01	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
Fv	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
105	5625	+022	+062	5400	-04.9	00.520	00.675	329					0013.6	2900				-47.5
104	5600	+020	+060	5300	-05.1	00.589	00.765	329					0017.1	2750	+002	+002		-49.7
097	5500	+017	+055	5200	-04.6	00.667	00.865	329					0021.5	2600	-004	-006		-54.0
092	5400	+012	+050	5100	-05.2	00.756	00.983	329					0027.1	2450	-008	+000		-55.4
087	5300	+008	+045	5000	-07.2	00.857	01.123	327					0045.1	2125	+001	+012		-60.1
083	5200	+003	+042	4900	-06.0	00.972	01.268	328					0073.5	1825	+008	+027		-70.3
077	5100	+000	+040	4800	-06.8	01.102	01.442	328					0121.7	1525	+008	+034		-67.4
070	5000	+000	+037	4700	-07.5	01.251	01.640	327					0197.1	1225	+017	+050	40	-55.8
066	4900	-003	+034	4600	-06.8	01.419	01.884	328					0310.7	0925	+012	+033	63	-39.0
062	4800	-008	+032	4500	-07.9	01.610	02.114	327					0486.2	0600	+009	+025	37	-12.9
058	4700	-009	+032	4400	-08.6	01.828	02.407	326					0710.6	0300	+003	+009	39	+05.3
053	4600	-004	+029	4300	-07.4	02.075	02.720	327					1013.9	0000	+001	+000	95	+17.9
050	4500	-002	+025	4200	-03.8	02.352	03.043	329					0050.0	2050	+005	+016		-62.4
048	4400	+005	+021	4100	-01.9	02.664	03.422	331					0100.0	1635	+004	+033		-72.9
046	4300	+012	+018	4000	-04.7	03.018	03.916	329					0500.0	0577	+007	+024	36	-11.2
042	4200	+014	+016	3900	-05.5	03.422	04.454	328					0700.0	0312	+002	+007	39	+04.1
040	4100	+003	+019	3800	-09.3	03.884	05.128	326										
037	4000	-010	+022	3700	-15.6	04.419	05.978	322										
036	3900	-014	+027	3600	-24.4	05.048	07.070	317										
033	3800	-012	+030	3500	-26.6	05.784	08.173	315										
029	3700	-001	+029	3400	-33.2	06.643	09.645	311										
027	3600	+002	+024	3300	-34.9	07.649	11.185	310										
026	3500	+003	+025	3200	-38.3	08.822	13.086	308										
023	3400	+006	+021	3100	-39.4	10.188	15.184	307										
021	3300	+003	+016	3000	-41.0	11.776	17.672	306										
019	3200	+003	+005	2800	-48.5	15.860	24.598	301										
018	3100	-001	+007	2600	-51.7	21.462	33.763	299										
017	3000	+002	+001	2400	-56.8	29.280	47.148	295										
013	2800	+002	-002															
011	2600	+001	-003															
008	2400	-006	-001															
008	2350	-011	+007															

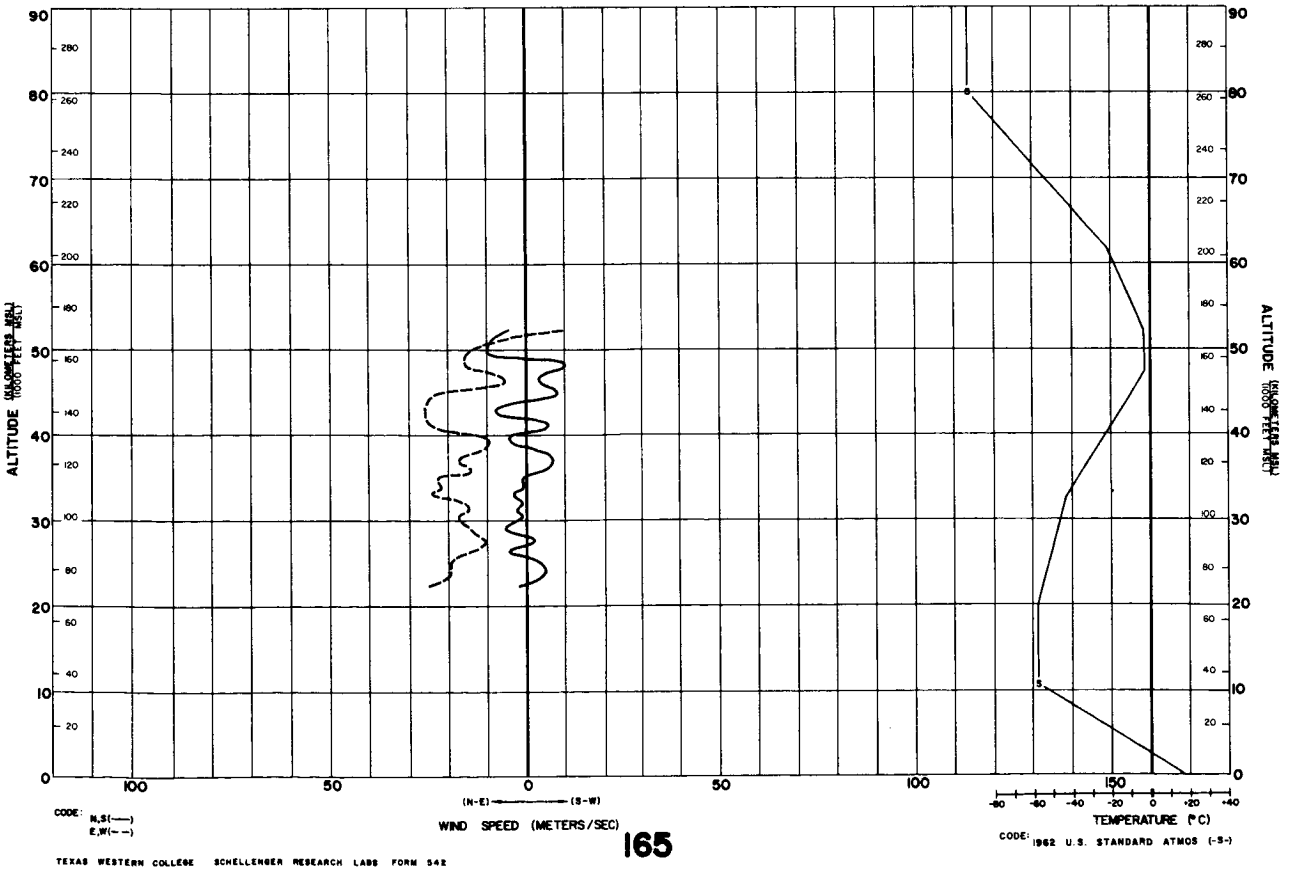


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
11503	HARP, SEAWELL, WEST INDIES	66 02 24	1600		18	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
087	5227	-004	+009															
067	4996	-010	-014															
055	4813	+010	-016															
045	4663	+003	-006															
037	4487	+008	-022															
031	4286	-008	-026															
026	4115	+006	-025															
025	3962	-004	-010															
021	3825	+002	-011															
020	3700	+007	-017															
019	3581	+004	-014															
015	3478	-001	-023															
016	3383	-001	-022															
014	3292	-003	-024															
017	3197	-001	-016															
012	3109	-002	-015															
013	3033	-001	-017															
015	2954	-004	-016															
011	2880	-005	-013															
012	2774	+002	-011															
012	2627	-004	-014															
012	2484	+004	-019															
009	2356	+004	-020															
011	2234	-002	-025															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 25	1245	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
119	5700	-009	+037
111	5600	-005	+038
103	5500	-006	+037
097	5400	-009	+034
093	5300	-014	+029
087	5200	-017	+021
080	5100	-019	+011
076	5000	-017	+004
071	4900	-011	+000
066	4800	-004	-002
061	4700	+001	+003
058	4600	+001	+003
054	4500	+005	-004
050	4400	+005	-006
048	4300	-002	-022
044	4200	-007	-043
041	4100	-004	-045
039	4000	-005	-043
035	3900	-001	-038
033	3800	-001	-036
030	3700	-006	-040
027	3600	-003	-039
027	3500	-004	-028
024	3400	-003	-017
022	3300	+000	-014
020	3200	+007	-010
018	3100	+004	+000
016	3000	-006	-002
013	2800	+002	-001
010	2600	-001	-016
009	2450	-004	-016

THERMODYNAMICS

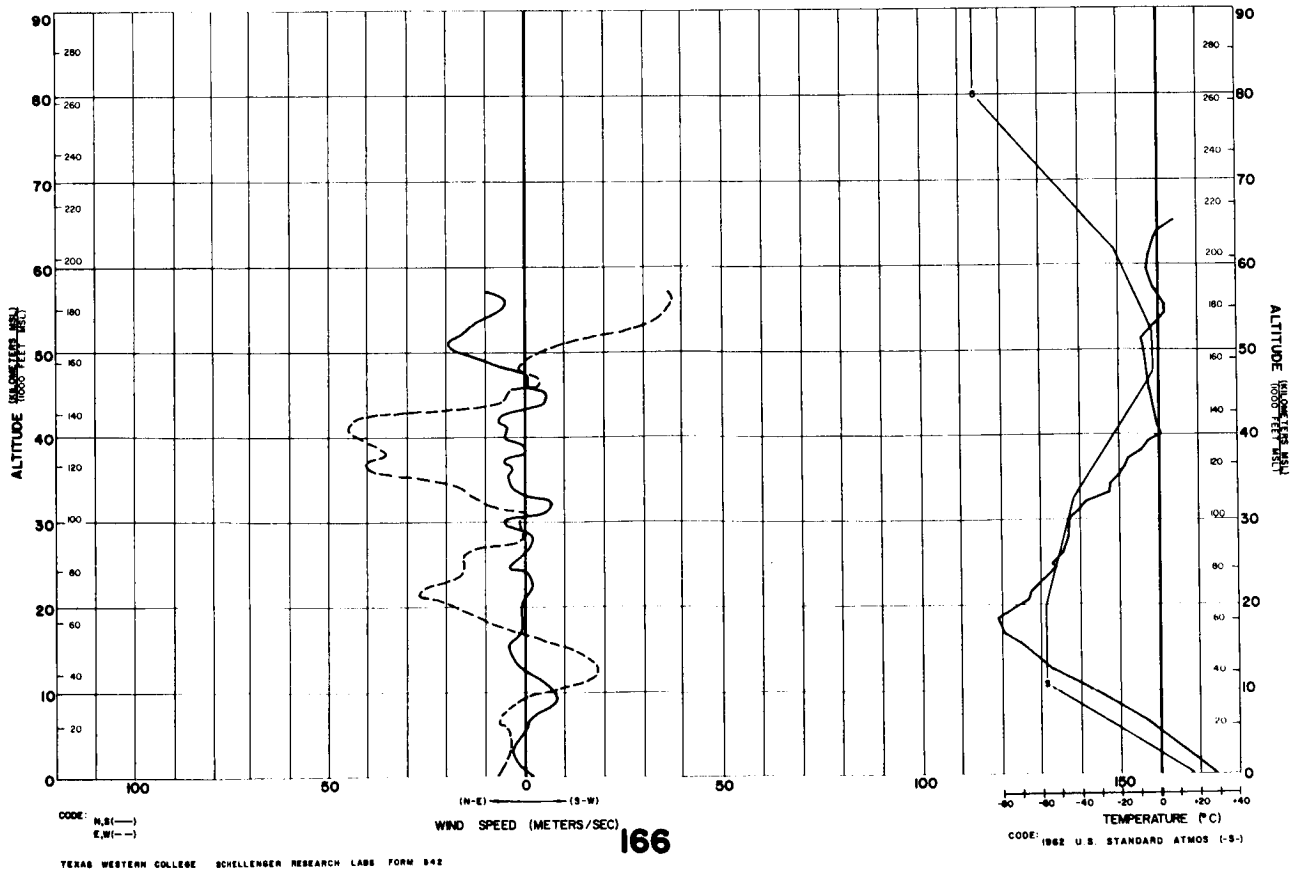
A MSL	TDC	PMB	D	SOS
6500	+08.8	00.139	00.173	337
6400	+00.1	00.156	00.200	332
6300	-01.4	00.177	00.226	331
6200	-03.0	00.200	00.258	330
6100	-04.4	00.226	00.294	329
6000	-05.2	00.256	00.333	329
5900	-04.9	00.290	00.377	329
5800	-03.8	00.329	00.426	329
5700	-01.9	00.372	00.478	331
5600	+00.4	00.421	00.536	332
5500	+02.9	00.475	00.600	333
5400	+03.3	00.537	00.676	334
5300	-00.1	00.607	00.772	332
5200	-05.1	00.687	00.887	329
5100	-08.8	00.779	01.026	326
5000	-08.2	00.884	01.163	327
4900	-07.5	01.003	01.317	327
4800	-06.9	01.138	01.489	327
4700	-06.2	01.291	01.683	328
4600	-05.4	01.463	01.905	328
4500	-04.6	01.658	02.152	329
4400	-03.7	01.879	02.430	329
4300	-02.8	02.128	02.743	330
4200	-01.8	02.409	03.090	331
4100	-00.6	02.726	03.485	331
4000	+00.4	03.083	03.923	332
3900	-06.2	03.491	04.511	328
3800	-09.2	03.964	05.225	326
3700	-15.2	04.512	06.097	322
3600	-17.4	05.145	07.000	321
3500	-19.9	05.874	08.078	319
3400	-24.1	06.719	09.382	317
3300	-26.4	07.701	10.873	315
3200	-37.0	08.854	13.095	308
3100	-40.4	10.238	15.331	306
3000	-45.1	11.854	18.105	303
2800	-46.7	15.950	24.527	302
2600	-48.7	21.471	33.348	301
2450	-54.5	27.032	43.080	297

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.9	3200	+005	-006		-44.5
0011.1	3048	-006	+004		-44.4
0013.9	2896	-002	-008		-45.2
0017.5	2743	+001	+006		-45.0
0021.9	2591	-003	-014		-44.9
0027.5	2438	-001	-016		-53.2
0044.6	2134	+001	-027		-65.1
0074.4	1829	-001	-011		-81.8
0126.4	1524	-004	+009		-71.8
0207.1	1219	+001	+018	25	-54.1
0323.9	0914	+008	+000	17	-28.3
0485.7	0610	+001	-007	16	-06.8
0709.1	0305	-003	-004	36	+10.5
1005.8	0008	+002	-007	64	+27.5
0010.0	3097	+000	+003		-45.1
0050.0	2053	-001	-020		-65.8
0100.0	1653	-002	+002		-79.1
0500.0	0585	+001	-005	16	-05.3
0700.0	0315	-003	-004	37	+09.5

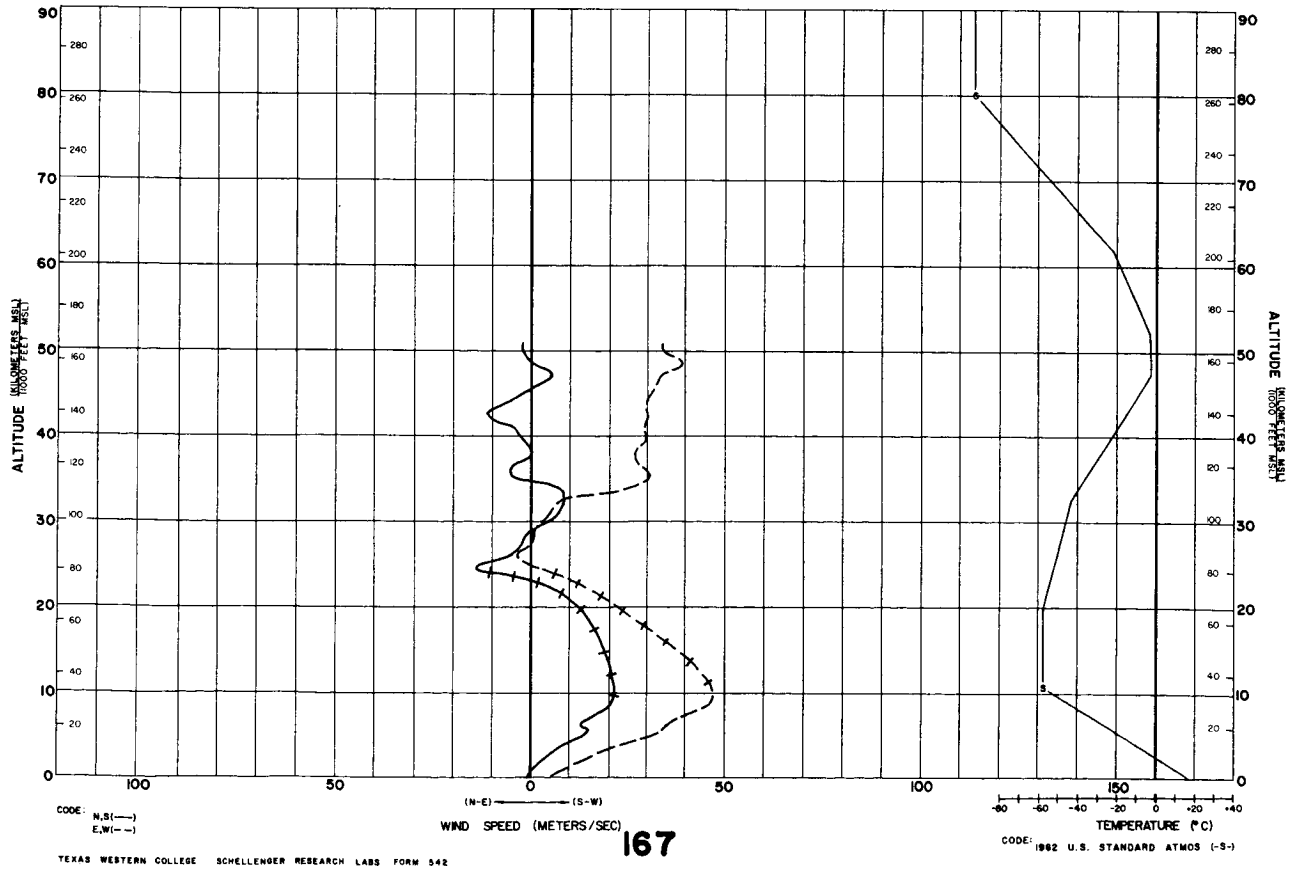


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 25	1321	-02	01	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
070	5090	-002	+034										0008.9	3200				-43.3
067	5029	-002	+034										0011.1	3048	+003	+012		-46.4
065	4877	+000	+039										0013.9	2896	+002	+009		-47.9
060	4724	+005	+034										0017.5	2743				-48.2
054	4572	+000	+032										0022.1	2591				-52.4
048	4420	-004	+030										0027.9	2438				-54.2
043	4267	-011	+030										0045.1	2134				-60.4
038	4115	-005	+029										0073.8	1829				-67.6
036	3962	-002	+029										0122.0	1524				-63.1
032	3810	+000	+027										0197.2	1219			15	-54.8
028	3658	-004	+028										0313.4	0914	+021	+047	50	-38.5
024	3505	-005	+031										0477.5	0610	+013	+035	35	-16.4
022	3353	+008	+021										0705.2	0305	+006	+018	72	+01.6
018	3200	+008	+007										1017.3	0000	-001	+005	88	+15.6
016	3048	+006	+004										0010.0	3096	+002	+007		-46.3
015	2896	+000	+001										0050.0	2058				-59.3
013	2743	-002	+000										0100.0	1638				-68.1
009	2591	-005	-003										0500.0	0573	+014	+034	75	-14.9
009	2438	-014	+002										0700.0	0310	+006	+018	72	+01.2
009	2408	-012	+005															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 25	1430	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
104	5525	+033	+071
101	5500	+030	+069
090	5400	+015	+059
084	5300	+009	+052
080	5200	+006	+045
075	5100	+003	+038
071	5000	+000	+037
066	4900	+001	+038
062	4800	+005	+037
058	4700	+004	+035
054	4600	+001	+034
050	4500	-001	+033
047	4400	-002	+030
044	4300	-006	+031
041	4200	-007	+031
038	4100	-002	+029
037	4000	-004	+029
034	3900	-002	+025
031	3800	-006	+025
029	3700	-003	+028
028	3600	-007	+030
026	3500	-006	+027
023	3400	-003	+026
021	3300	+008	+017
020	3200	+006	+011
016	3100	+002	+006
015	3000	+002	+001
012	2800	-002	+001
010	2600	-001	-003
008	2400	-011	+006
007	2350	-005	+006

THERMODYNAMICS

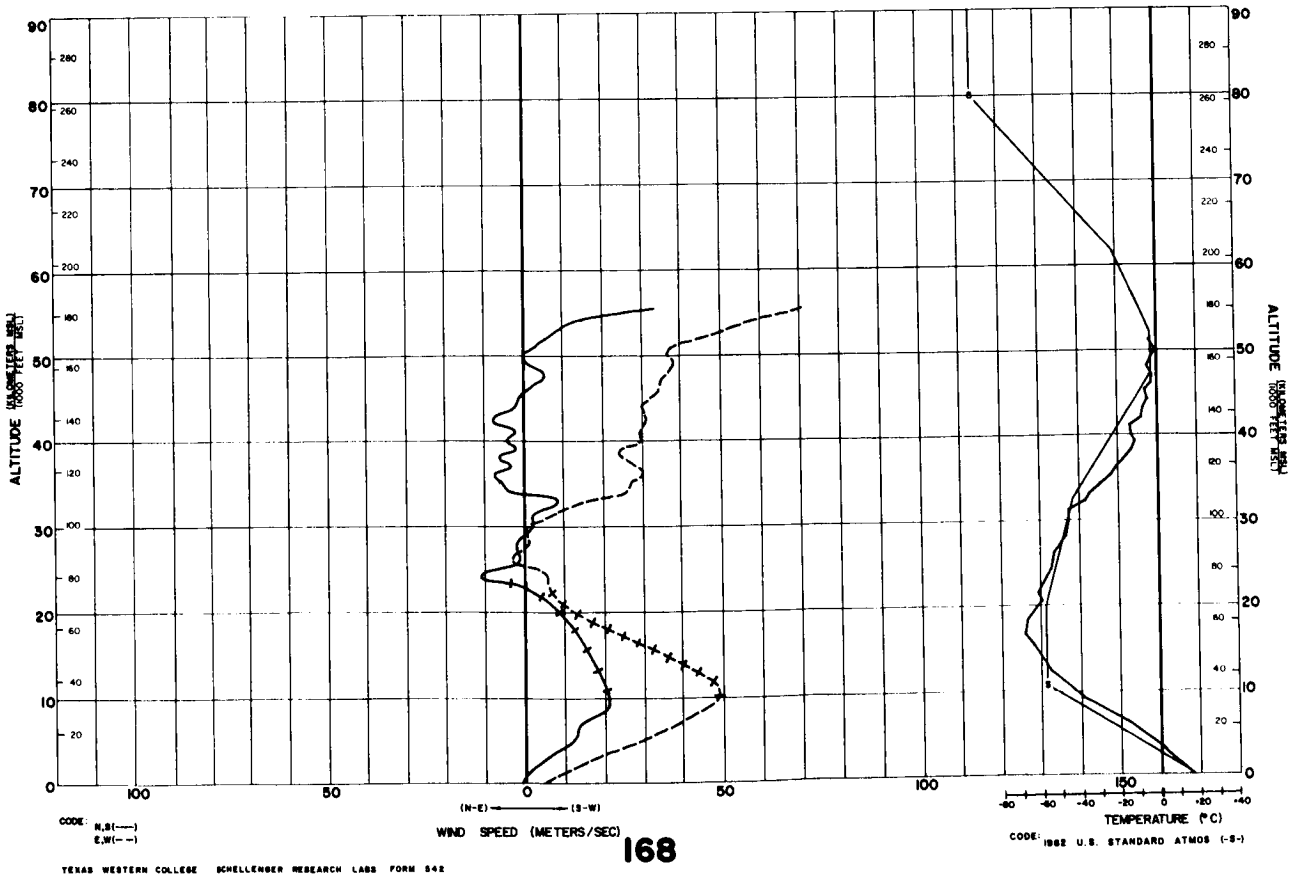
A MSL	TDC	PMB	D	SOS
5100	-03.7	00.768	00.993	329
5000	-00.6	00.867	01.111	331
4900	-02.5	00.983	01.265	330
4800	-03.8	01.113	01.440	329
4700	-02.0	01.260	01.619	330
4600	-02.5	01.427	01.837	330
4500	-05.5	01.616	02.104	328
4400	-04.5	01.832	02.376	329
4300	-06.5	02.077	02.714	328
4200	-07.7	02.357	03.094	327
4100	-13.2	02.679	03.591	324
4000	-12.7	03.049	04.078	324
3900	-11.5	03.468	04.618	325
3800	-13.4	03.946	05.293	323
3700	-17.0	04.497	06.116	321
3600	-20.5	05.133	07.079	319
3500	-23.8	05.871	08.203	317
3400	-29.5	06.731	09.625	313
3300	-34.3	07.741	11.291	310
3200	-37.0	08.922	13.162	308
3100	-45.5	10.319	15.792	303
3000	-45.4	11.968	18.307	303
2800	-46.6	16.129	24.803	302
2600	-52.7	21.800	34.451	298
2408	-53.9	29.300	46.557	297

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.9	3200				-43.3
0011.1	3048	+003	+012		-46.4
0013.9	2896	+002	+009		-47.9
0017.5	2743				-48.2
0022.1	2591				-52.4
0027.9	2438				-54.2
0045.1	2134				-60.4
0073.8	1829				-67.6
0122.0	1524				-63.1
0197.2	1219			15	-54.8
0313.4	0914	+021	+047	50	-38.5
0477.5	0610	+013	+035	35	-16.4
0705.2	0305	+006	+018	72	+01.6
1017.3	0000	-001	+005	88	+15.6
0010.0	3096	+002	+007		-46.3
0050.0	2058				-59.3
0100.0	1638				-68.1
0500.0	0573	+013	+033	75	-14.9
0700.0	0310	+006	+018	72	+01.2

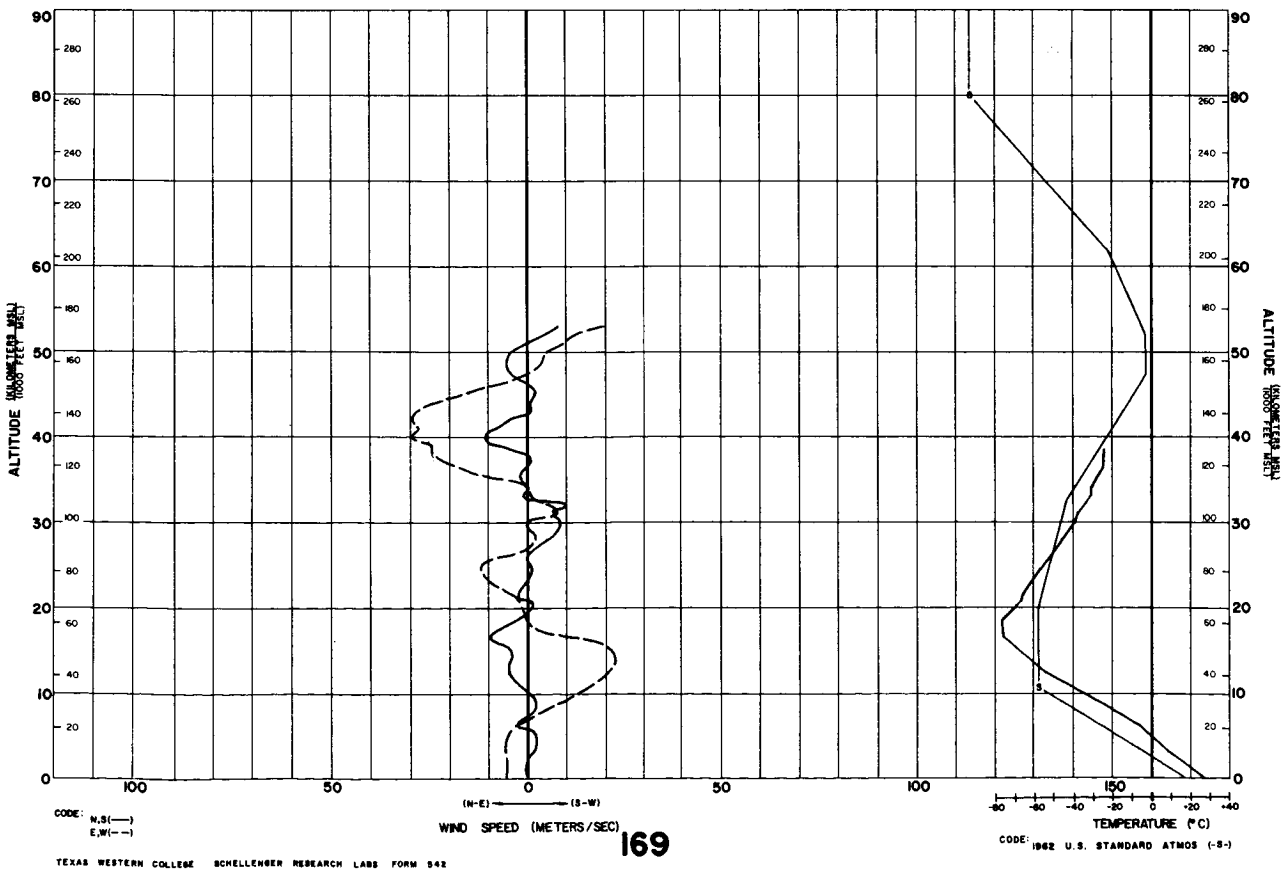


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	GD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 25	1600	-04	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
085	5300	+008	+019	3825	-24.3	03.831	05.364	317					0008.9	3200				-40.1
082	5200	+004	+012	3800	-24.4	03.963	05.549	317					0011.1	3048	+005	+000		-44.1
078	5100	+000	+009	3700	-24.5	04.538	06.358	316					0013.9	2896	+000	+003		-50.2
073	5000	-004	+005	3600	-24.7	05.197	07.289	316					0017.5	2743	-001	-002		-46.6
070	4900	-005	+004	3500	-27.5	05.957	08.431	315					0022.1	2591	+002	-008		-51.9
066	4800	-005	+002	3400	-30.1	06.840	09.798	313					0027.9	2438	+001	-012		-56.9
062	4700	-002	-002	3300	-30.1	07.857	11.260	313					0045.2	2134	-002	-003		-65.1
058	4600	+001	-009	3200	-34.3	09.040	13.188	310					0075.3	1829	-004	+000		-77.3
054	4500	+002	-015	3100	-36.7	10.421	15.354	309					0127.3	1524	-005	+020		-71.4
051	4400	+001	-023	3000	-38.8	12.026	17.877	307					0208.5	1219	-005	+020	30	-54.4
047	4300	+001	-028	2800	-45.9	16.120	24.718	303					0325.6	0914	+002	+010	26	-27.8
044	4200	-005	-029	2600	-50.8	21.730	34.024	299					0487.6	0610	-002	-003	25	-05.6
041	4100	-008	-028	2450	-56.2	27.390	43.983	296					0710.0	0305	+001	-006	25	+08.5
038	4000	-011	-029										1016.7	0000	+000	-006	68	+25.5
036	3900	-008	-025										0010.0	3097	+008	+006		-39.3
033	3800	+000	-024										0050.0	2061	+001	-002		-65.8
030	3700	+001	-021										0100.0	1658	-009	+013		-76.0
028	3600	-001	-016										0500.0	0588	+000	-004	25	-04.6
026	3500	-002	-009										0700.0	0316	+002	-006	25	+08.0
024	3400	+000	+000															
022	3300	-001	+001															
020	3200	+010	+005															
018	3100	+007	+007															
017	3000	+008	+000															
013	2800	+005	+002															
011	2600	+000	-006															
008	2475	+001	-012															

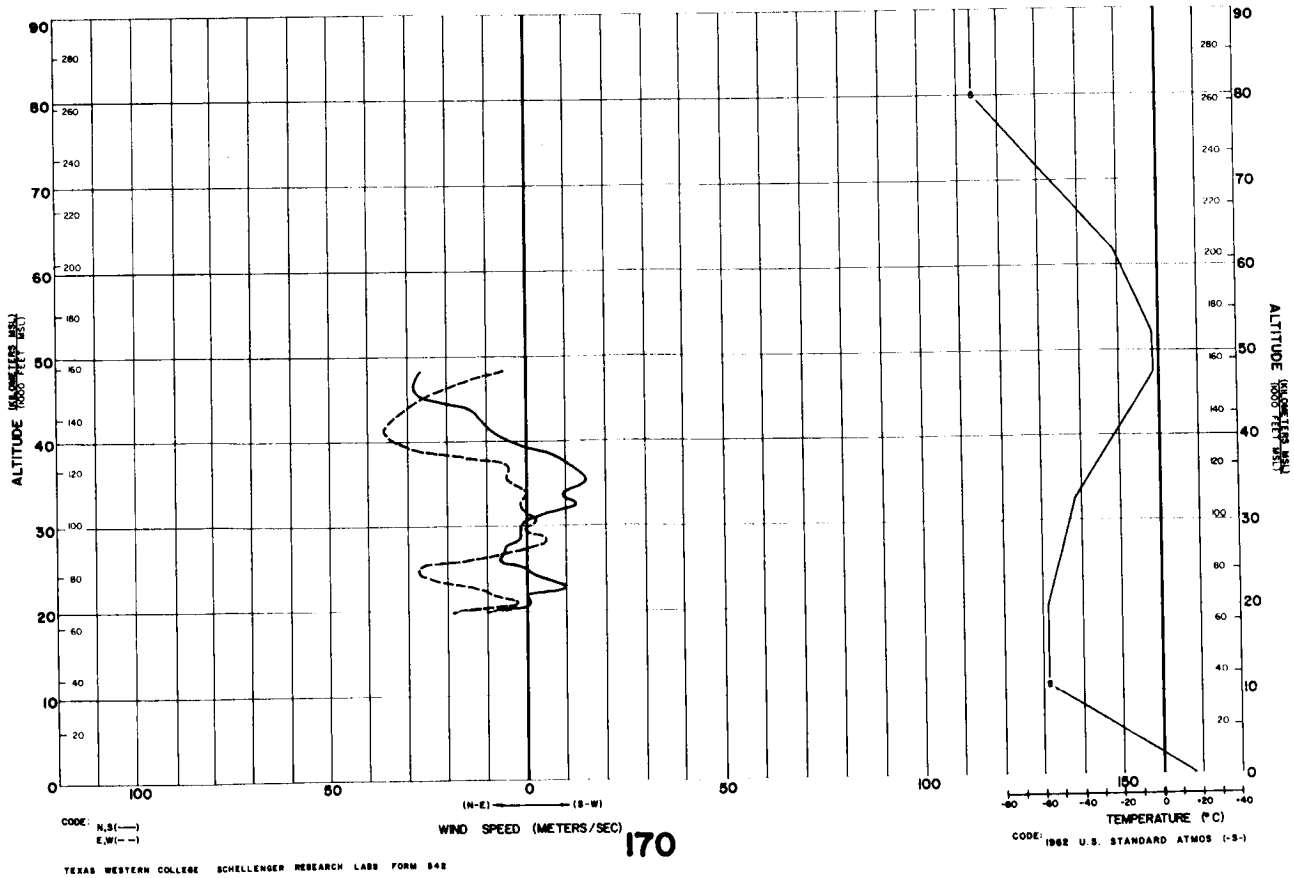


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE	TIME	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
		Y M D	Z												
11503	HARP, SEAWELL, WEST INDIES	66 02 25	1600		18	02	00								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION					RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
082	4836	-027	-006															
074	4601	-028	-022															
066	4391	-015	-030															
054	4130	-009	-036															
036	3862	+005	-025															
026	3676	+012	-004															
026	3519	+015	-004															
022	3376	+009	+000															
018	3255	+013	-002															
017	3149	+005	+000															
015	3053	-001	+002															
016	2961	-002	+000															
019	2862	-002	+005															
015	2765	-005	+003															
014	2678	-006	-006															
014	2595	-007	-015															
012	2518	-003	-025															
011	2416	+003	-027															
010	2292	+010	-015															
008	2184	+000	-008															
008	2085	+001	-002															
007	1995	-010	-018															

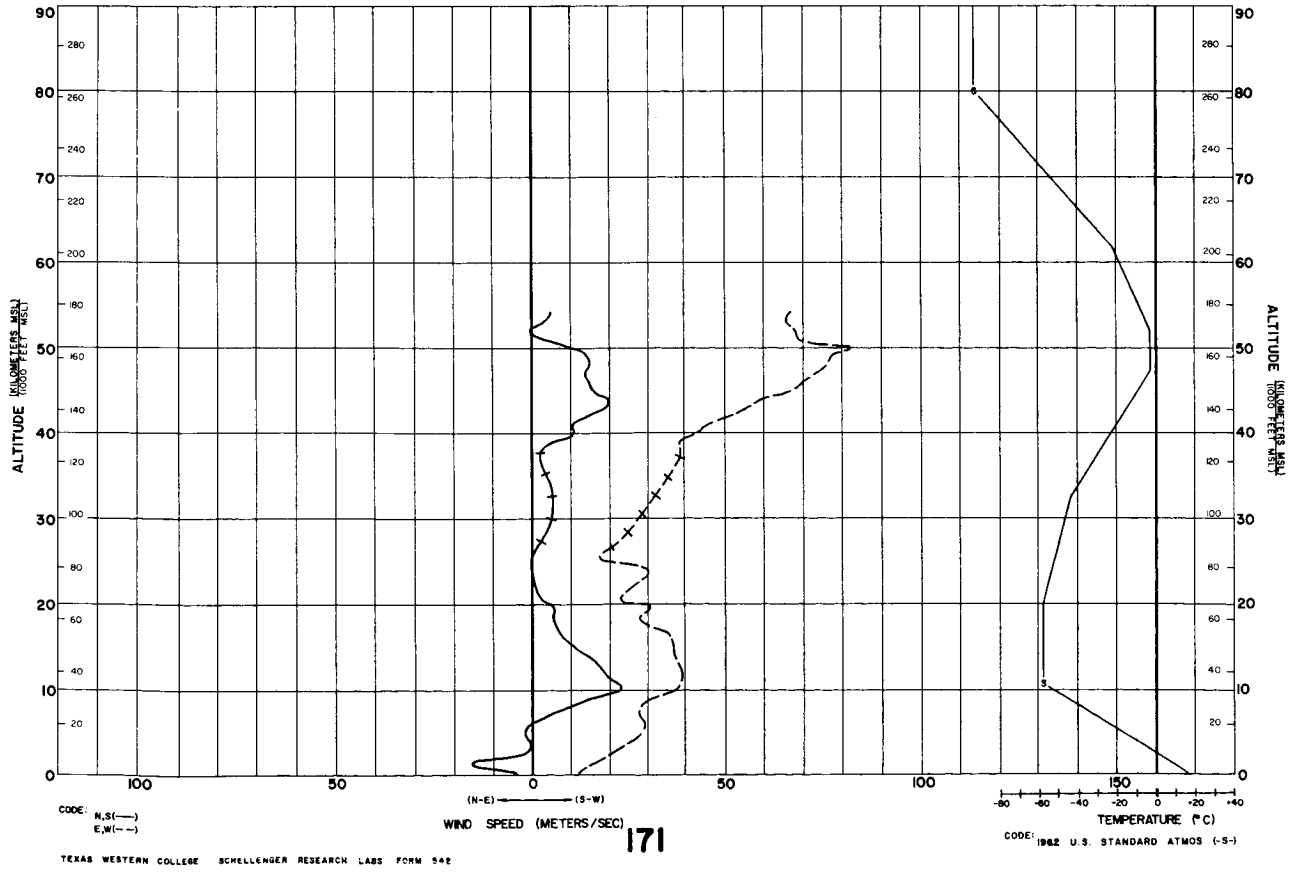


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
13755	WALLOPS ISLAND, VIRGINIA	66 02 25	1941	+03	03	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
043	5400	+005	+067										0012.0	2975				-46.5
036	5300	+003	+066										0020.0	2635	+001	+019		-50.1
027	5200	+000	+068										0023.0	2539	+000	+017		-51.3
027	5100	+003	+069										0030.0	2371	+000	+030		-54.3
027	5000	+010	+082										0056.0	1976	+006	+031		-61.9
025	4900	+014	+077										0070.0	1835	+006	+028		-61.2
025	4800	+015	+076										1008.4	0000	-004	+012	67	+05.6
024	4700	+014	+073										0050.0	2046	+003	+023		-60.6
022	4600	+015	+070										0100.0	1613	+008	+036		-60.1
022	4500	+016	+068										0150.0	1354	+016	+038		-51.2
021	4400	+019	+060										0200.0	1163	+019	+039		-47.3
017	4300	+019	+056										0250.0	1015	+023	+038		-45.3
016	4200	+014	+050										0300.0	0893	+014	+031		-46.3
018	4100	+011	+046										0400.0	0699	+004	+028	18	-38.3
020	4000	+011	+043										0500.0	0542	-001	+029	18	-27.5
020	3900	+006	+039										0700.0	0290	-001	+022	36	-09.8
017	3800	+003	+039										0850.0	0138	-016	+016	50	-01.7
													1000.0	0007	-005	+012	61	+04.7

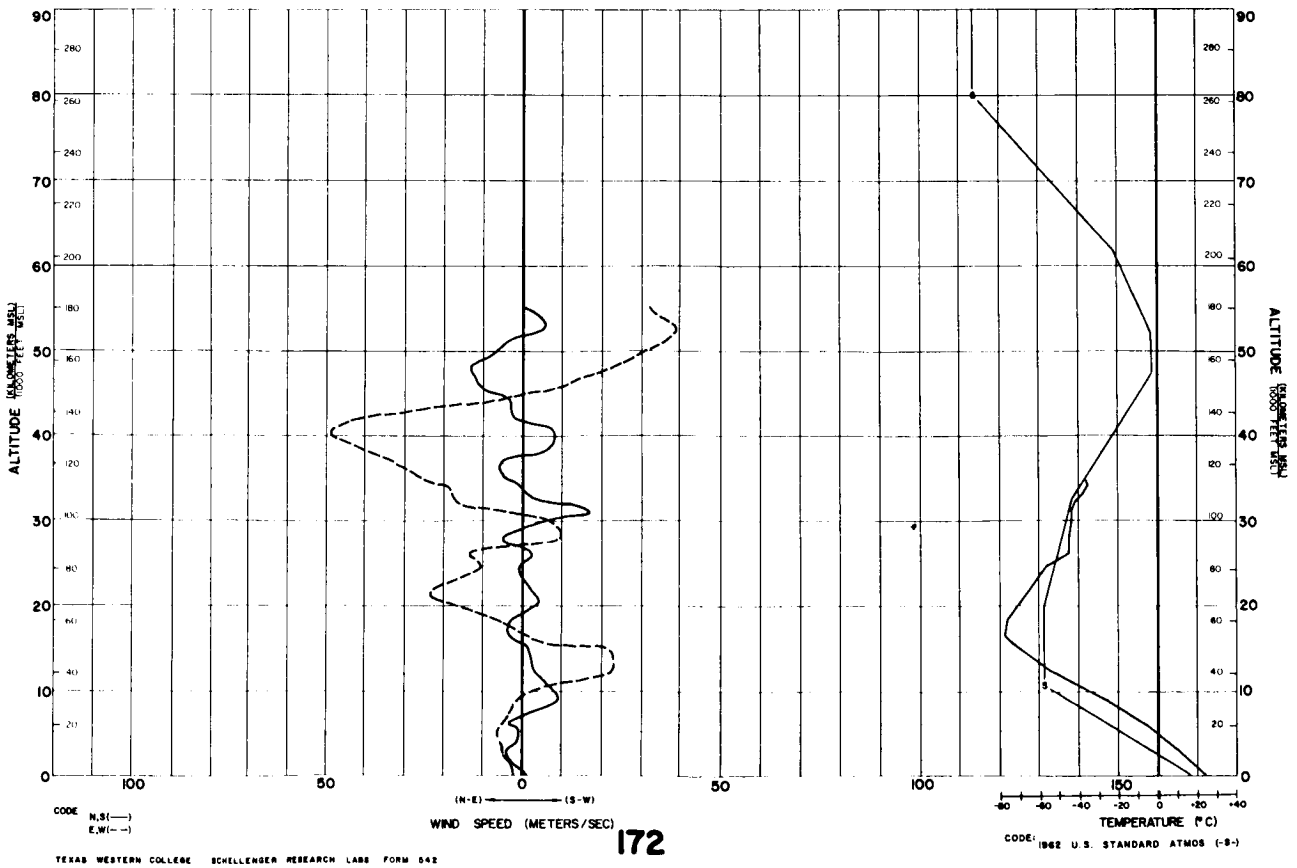


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 548

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66	02	25	2245	+08	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
104	5500	+000	+032	3425	-36.3	06.406	09.414	309					0008.7	3200	-006	-013		-40.9
095	5400	+004	+034	3400	-35.8	06.637	09.740	309					0010.8	3050	+003	-008		-44.2
090	5300	+006	+038	3300	-37.8	07.654	11.315	308					0013.5	2900	+003	+002		-43.3
085	5200	+002	+038	3200	-41.6	08.845	13.305	305					0016.9	2750	-002	-009		-48.3
081	5100	-004	+036	3100	-43.0	10.240	15.500	304					0021.2	2600	+001	-014		-49.3
076	5000	-007	+031	3000	-42.5	11.854	17.900	305					0026.6	2450	+010	-025		-55.2
071	4900	-010	+027	2800	-44.8	15.909	24.272	303					0044.7	2125	+003	-023		-66.7
065	4800	-013	+022	2600	-45.5	21.373	32.694	303					0074.2	1825	-003	-007		-76.8
062	4700	-012	+015	2450	-56.6	26.889	43.238	295					0125.2	1525	+001	+020		-73.1
058	4600	-011	+011										0204.2	1225	+003	+022	32	-54.0
055	4500	-008	+002										0318.0	0925	+009	-001	27	-29.1
052	4400	-003	-009										0491.1	0600	-003	-005	28	-06.4
048	4300	-003	-027										0713.3	0300	-004	-005	57	+09.9
044	4200	-002	-043										1004.8	0008	+001	-002	75	+24.3
041	4100	+007	-048										0010.0	3082	+001	-013		-44.4
038	4000	+008	-048										0050.0	2047	+004	-020		-69.7
035	3900	+008	-044										0100.0	1648	-003	+001		-77.4
033	3800	+005	-038										0500.0	0584	-002	-006	29	-06.7
031	3700	-005	-033										0700.0	0315	-003	-005	54	+08.8
028	3600	-006	-029															
026	3500	-005	-026															
024	3400	-001	-019															
022	3300	+001	-018															
020	3200	+009	-017															
018	3100	+017	-004															
017	3000	+006	+007															
014	2800	-005	+009															
011	2600	+002	-013															
009	2450	-001	-011															

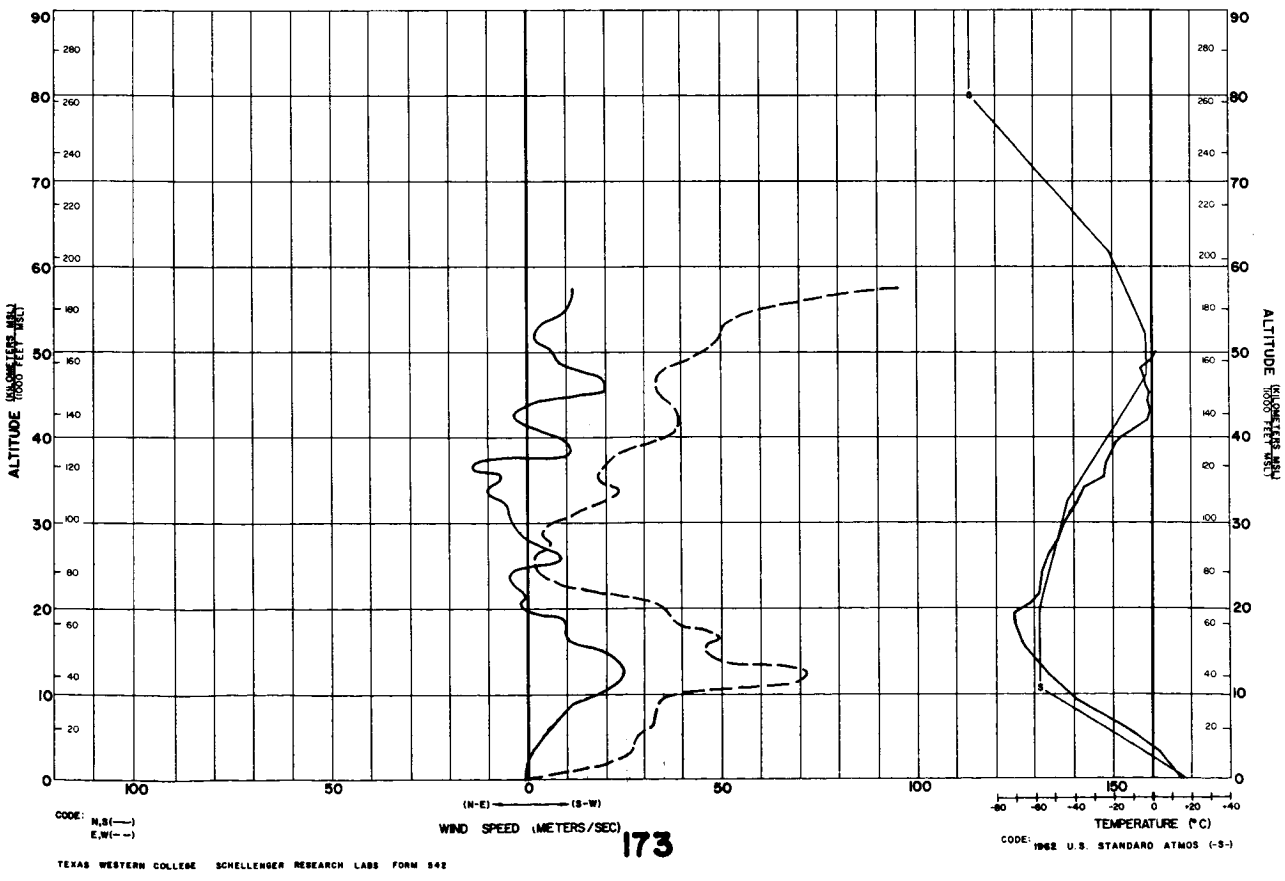


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 042

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 25	2245	+00	01	02	12								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
105	5730	+012	+096	5000	+01.3	00.842	01.069	332					0006.9	3350				-39.9
100	5639	+012	+076	4900	-00.1	00.952	01.215	332					0008.6	3200	-007	+011		-42.3
093	5486	+010	+060	4800	-05.0	01.078	01.400	329					0010.8	3050	-007	+004		-46.4
086	5334	+004	+052	4700	-04.3	01.221	01.583	329					0013.5	2900	-006	+004		-48.5
081	5182	+002	+049	4600	-03.2	01.383	01.785	330					0016.9	2750	+002	+010		-50.9
072	5029	+006	+046	4500	-01.9	01.566	02.012	331					0021.3	2600	+004	+006		-55.2
065	4877	+008	+039	4400	-02.2	01.773	02.280	330					0027.0	2450	-004	-014		-56.7
060	4724	+017	+034	4300	-01.0	02.006	02.569	331					0044.9	2125	-001	+024		-58.7
053	4572	+020	+033	4200	-02.2	02.271	02.920	330					0073.4	1825	+009	+038		-70.4
047	4420	+005	+036	4100	-08.9	02.575	03.395	326					0120.9	1525	+016	+046		-65.3
045	4267	-003	+039	4000	-15.2	02.929	03.956	322					0195.1	1225	+024	+072	37	-53.4
040	4115	+002	+039	3900	-19.2	03.341	04.583	320					0307.6	0925	+013	+034	38	-39.6
034	3962	+009	+033	3800	-20.5	03.816	05.261	319					0482.5	0600	+006	+032	39	-15.2
031	3810	+011	+023	3700	-23.7	04.363	06.094	317					0707.7	0300	+001	+026	48	+03.1
029	3658	-014	+019	3600	-24.4	04.995	06.996	317					1017.6	0000	+000	-001	78	+14.4
025	3505	-007	+018	3500	-24.8	05.720	08.024	316					0010.0	3079	-006	+007		-44.0
023	3353	-010	+023	3400	-34.1	06.569	09.573	310					0050.0	2047	-002	+033		-62.1
019	3200	-006	+017	3300	-37.1	07.571	11.173	308					0100.0	1633	+010	+049		-67.9
017	3048	-004	+009	3200	-39.6	08.740	13.037	307					0500.0	0571	+005	+030	41	-13.4
014	2896	-002	+004	3100	-42.5	10.107	15.267	305					0700.0	0308	+001	+026	47	+02.5
012	2743	+002	+006	3000	-45.0	11.709	17.880	303										
009	2591	+008	+002	2800	-48.4	15.750	24.414	301										
008	2438	-003	-003	2600	-53.1	21.361	33.810	298										
008	2377	-004	+005	2400	-56.7	29.100	46.837	295										

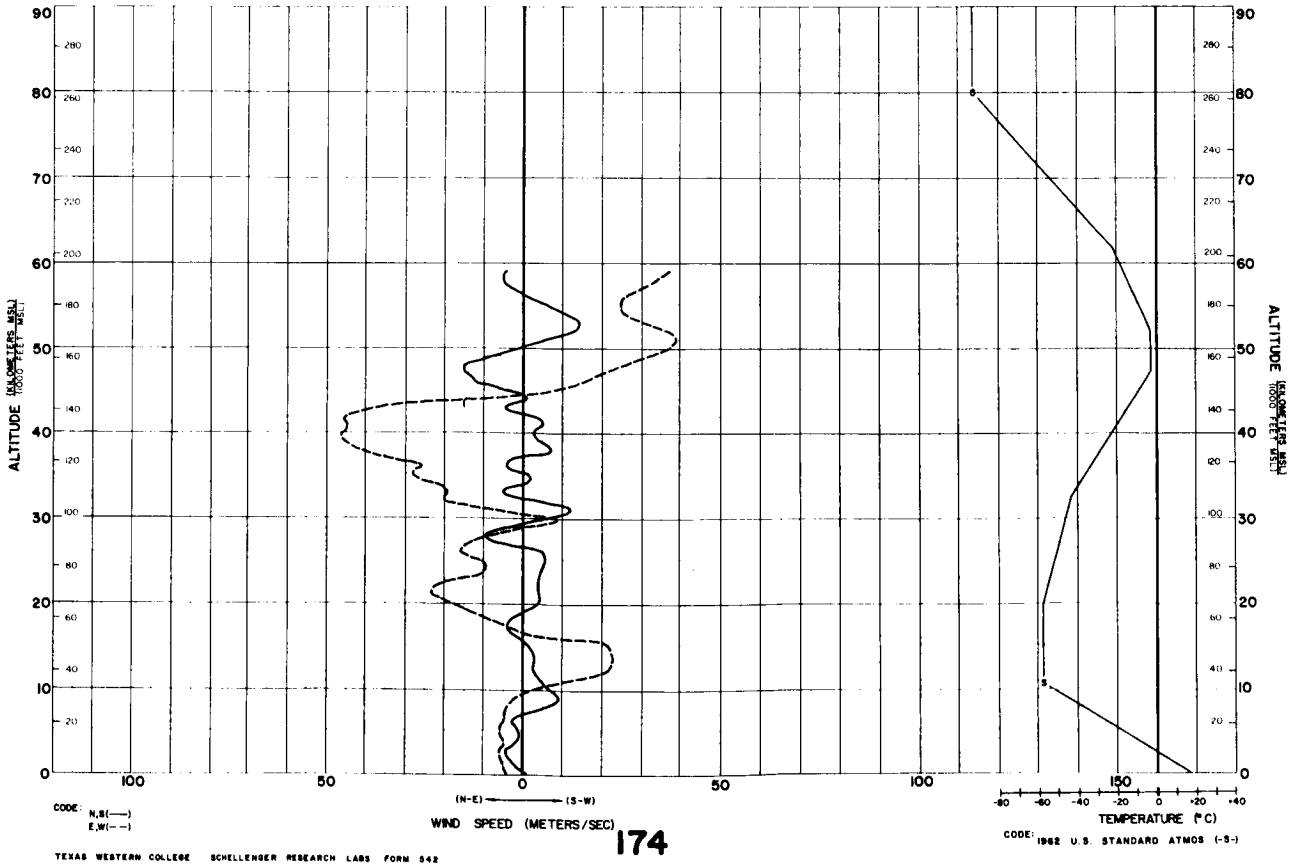


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 26	0045	+06	01	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
124	5900	-004	+037										0008.8	3200	-005	-013		-41.0
117	5800	-005	+034										0011.0	3048	+004	-008		-44.2
109	5700	-003	+030										0013.7	2896	+001	+001		-43.2
102	5600	+001	+026										0017.2	2743	+002	-015		-48.7
096	5500	+006	+025										0021.7	2591	+002	-015		-49.4
091	5400	+011	+026										0027.4	2438	+005	-024		-56.1
086	5300	+014	+031										0044.5	2134	+004	-023		-66.6
080	5200	+013	+037										0074.4	1829	-003	-008		-77.3
075	5100	+006	+039										0126.4	1524	+001	+021		-73.0
071	5000	-001	+037										0207.2	1219	+003	+022	32	-53.5
067	4900	-007	+032										0324.1	0914	+009	-002	27	-27.9
063	4800	-015	+026										0486.1	0610	-003	-005	28	-07.6
058	4700	-014	+020										0709.8	0305	-004	-006	56	+09.6
055	4600	-012	+015										1004.8	0008	+001	-004	75	+24.3
052	4500	-006	+009										0010.0	3090	+001	-013		-44.4
048	4400	+001	-008										0050.0	2053	+004	-021		-69.7
044	4300	-004	-036										0100.0	1653	-003	+001		-77.4
042	4200	+003	-045										0500.0	0586	-002	-006	29	-06.7
039	4100	+005	-045										0700.0	0316	-003	-005	54	+08.8
036	4000	+003	-046															
033	3900	+004	-046															
031	3800	+007	-042															
029	3700	-002	-034															
027	3600	-004	-026															
024	3500	+001	-028															
023	3400	+001	-023															
021	3300	-005	-019															
019	3200	+003	-020															
018	3100	+012	-008															
017	3000	+006	+008															
014	2800	-009	-008															
011	2600	+005	-016															
010	2425	+005	-009															

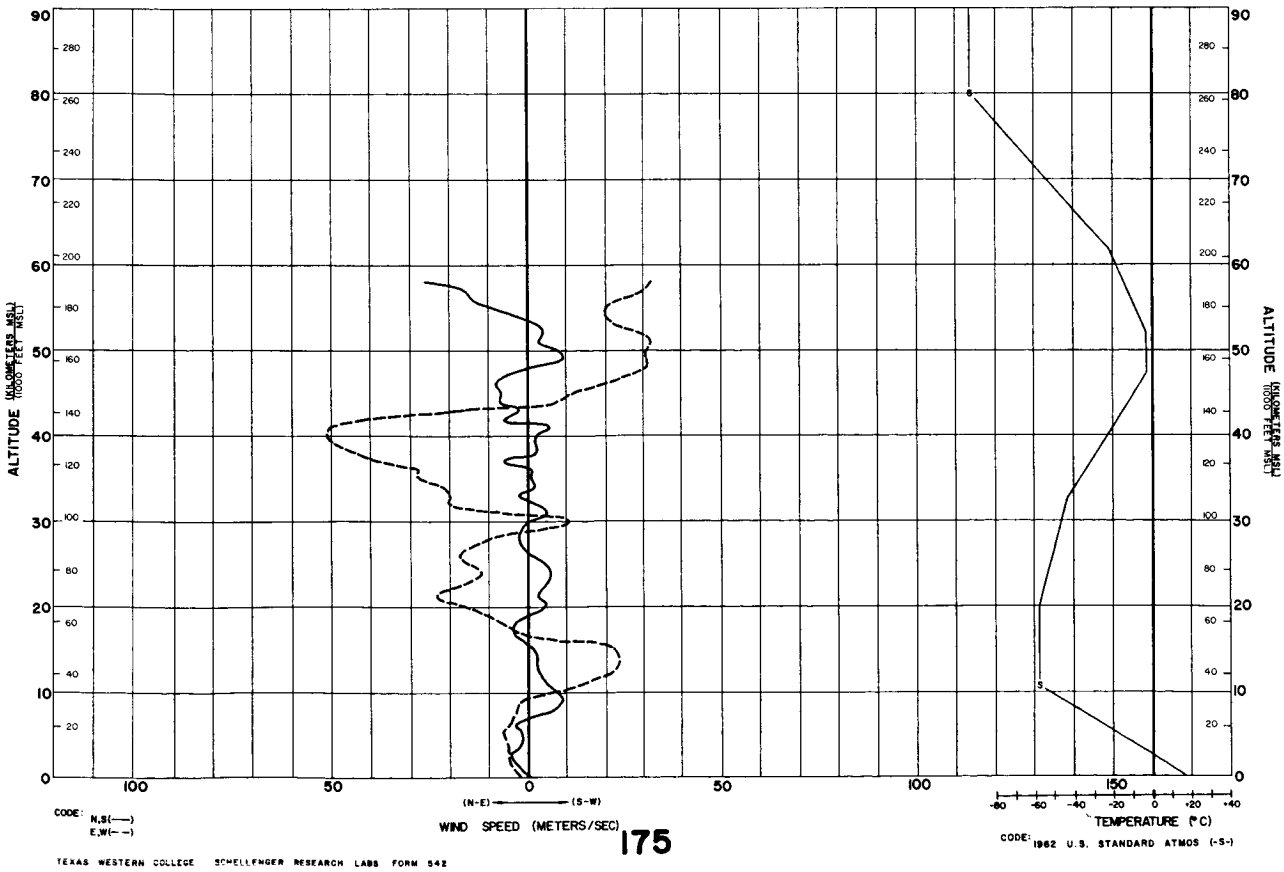


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 26	0245	+04	01	02	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
124	5800	-026	+032										0008.7	3200	-006	-013		-40.9
110	5700	-016	+030										0010.8	3050	+003	-008		-44.2
101	5600	-014	+025										0013.5	2900	+003	+002		-43.3
095	5500	-010	+021										0016.9	2750	-002	-009		-48.3
089	5400	-003	+020										0021.2	2600	+001	-014		-49.3
084	5300	+003	+023										0026.6	2450	+010	-025		-55.2
079	5200	+004	+029										0044.7	2125	+003	-023		-66.7
075	5100	+003	+032										0074.2	1825	-003	-007		-76.8
069	5000	+008	+031										0125.2	1525	+001	+020		-73.1
066	4900	+009	+031										0204.2	1225	+003	+022	32	-54.0
062	4800	+001	+031										0318.0	0925	+009	-001	27	-29.1
059	4700	-006	+026										0491.1	0600	-003	-005	28	-06.4
056	4600	-008	+019										0713.3	0300	-004	-005	57	+09.9
053	4500	-007	+013										1004.8	0008	+001	-002	75	+24.3
050	4400	-007	+008										0010.0	3082	+001	-013		-44.4
047	4300	-002	-016										0050.0	2047	+004	-020		-69.7
044	4200	-006	-041										0100.0	1648	-003	+001		-77.4
040	4100	+006	-050										0500.0	0584	-002	-006	29	-06.7
037	4000	+002	-051										0700.0	0315	-003	-005	54	+08.8
034	3900	+002	-049															
032	3800	+002	-044															
030	3700	-006	-038															
028	3600	+001	-028															
026	3500	+001	-028															
024	3400	+002	-022															
022	3300	-002	-020															
019	3200	+002	-020															
018	3100	+005	-007															
016	3000	+000	+011															
013	2800	-002	-009															
011	2600	+001	-017															
009	2400	+006	-012															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
12868	AFETR, CAPE KENNEDY AFS, FLA.	66 02 26	1712	+00	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
060	4775	+016	+031
057	4700	+013	+032
052	4600	+007	+031
049	4500	+007	+031
047	4400	+006	+032
044	4300	+003	+031
040	4200	-001	+032
038	4100	+003	+030
035	4000	+006	+029
033	3900	+010	+028
031	3800	+004	+027
029	3700	-003	+025
028	3600	-007	+027
025	3500	-005	+027
022	3400	+003	+019
020	3300	+008	+013
020	3200	+002	+008
017	3100	+003	+004
015	3000	-002	+008
013	2800	+003	+003
011	2600	-002	-002
008	2400	-006	+009
008	2375	-007	+010

THERMODYNAMICS

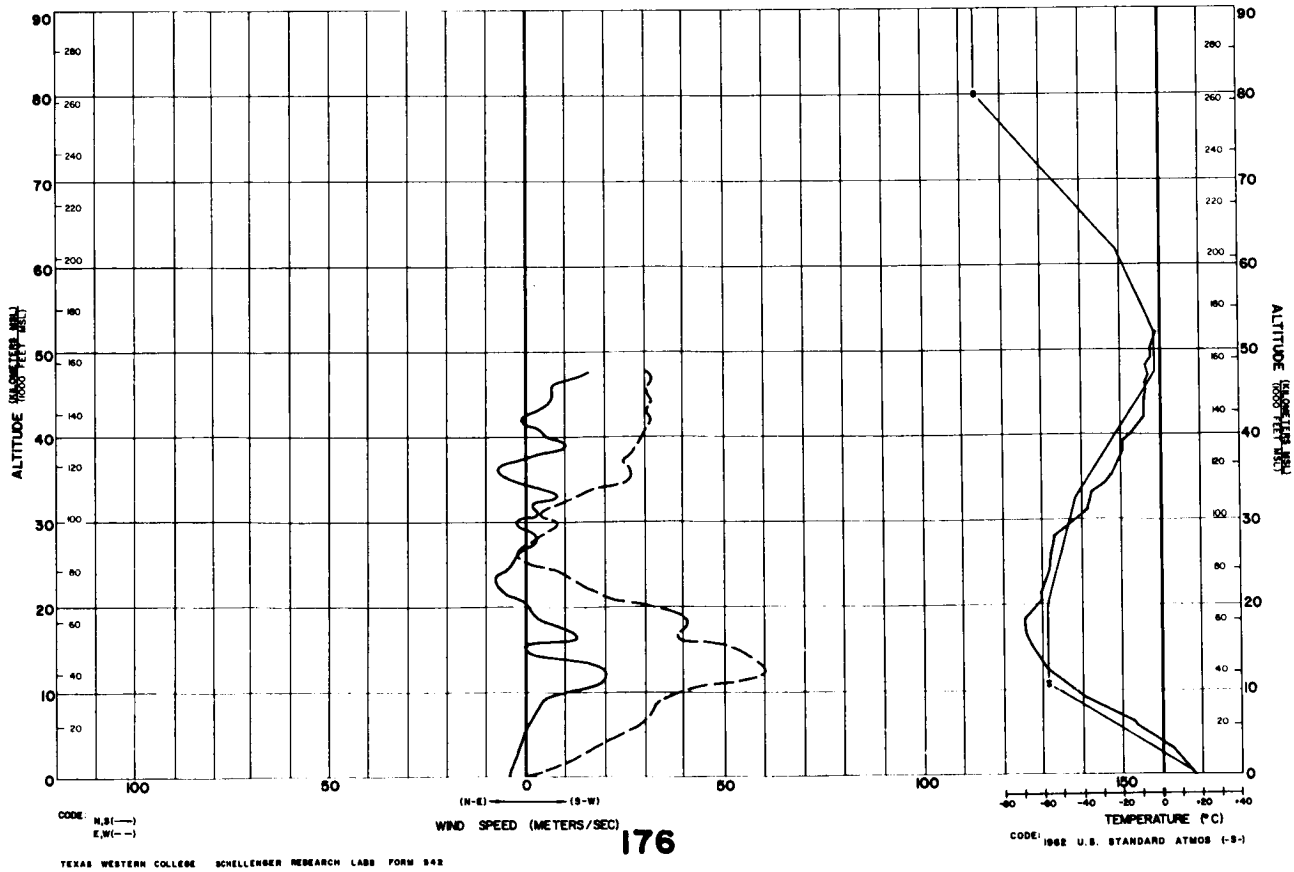
A MSL	TDC	PMB	D	SOS
5200	-02.1	00.650	00.835	330
5100	-03.1	00.736	00.949	330
5000	-04.4	00.833	01.080	329
4900	-05.2	00.944	01.227	329
4800	-07.0	01.070	01.401	327
4700	-06.0	01.214	01.583	328
4600	-06.6	01.377	01.800	328
4500	-06.8	01.562	02.043	328
4400	-07.2	01.772	02.321	327
4300	-08.0	02.011	02.642	327
4200	-07.9	02.283	02.998	327
4100	-11.6	02.594	03.455	325
4000	-14.7	02.952	03.979	323
3900	-18.4	03.366	04.603	320
3800	-18.8	03.842	05.262	320
3700	-20.2	04.387	06.042	319
3600	-22.0	05.014	06.956	318
3500	-24.8	05.739	08.050	316
3400	-28.9	06.580	09.386	314
3300	-35.1	07.568	11.075	310
3200	-35.9	08.722	12.807	309
3100	-37.0	10.058	14.838	308
3000	-43.1	11.625	17.604	304
2800	-52.3	15.716	24.792	298
2600	-55.0	21.320	34.048	296
2400	-56.0	29.100	46.686	296

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0007.0	3350				-38.4
0008.7	3200	+006	+013		-38.5
0010.8	3050	+001	+006		-42.6
0013.5	2900	+004	+008		-48.1
0017.0	2750	+002	+007		-50.5
0021.4	2600	+005	+003		-52.4
0026.9	2450	-008	-006		-54.6
0044.9	2125	-005	+019		-60.7
0073.1	1825	+004	+041		-68.5
0120.4	1525	+000	+050		-66.9
0194.9	1225	+020	+060	31	-56.7
0308.4	0925	+005	+034	33	-39.7
0484.6	0600	+001	+028	43	-14.3
0710.9	0300	-002	+016	34	+04.8
1021.0	0000	-004	+000	46	+16.0
0010.0	3083	+003	+011		-41.4
0050.0	2047	+000	+027		-60.6
0100.0	1630	+013	+039		-68.7
0500.0	0575	+000	+027	38	-12.4
0700.0	0312	-002	+017	34	+04.0



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y	M	D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66	02	26	1850	+03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
123	5800	+001	+039
117	5700	+001	+038
109	5600	-001	+039
103	5500	-002	+039
097	5400	-005	+038
090	5300	-008	+036
084	5200	-009	+036
080	5100	-008	+036
075	5000	-008	+033
071	4900	-008	+027
067	4800	-008	+023
062	4700	-006	+016
058	4600	-002	+003
055	4500	+005	-008
050	4400	+008	-023
046	4300	+004	-038
044	4200	+000	-047
040	4100	-002	-050
037	4000	-004	-052
035	3900	-002	-050
032	3800	+004	-046
030	3700	+008	-039
027	3600	+012	-033
025	3500	+010	-022
022	3400	+006	-018
022	3300	+010	-012
019	3200	-002	-009
018	3100	+000	-011
016	3000	+004	-006
014	2800	+001	+006
011	2600	-005	-005
009	2475	-006	-029

THERMODYNAMICS

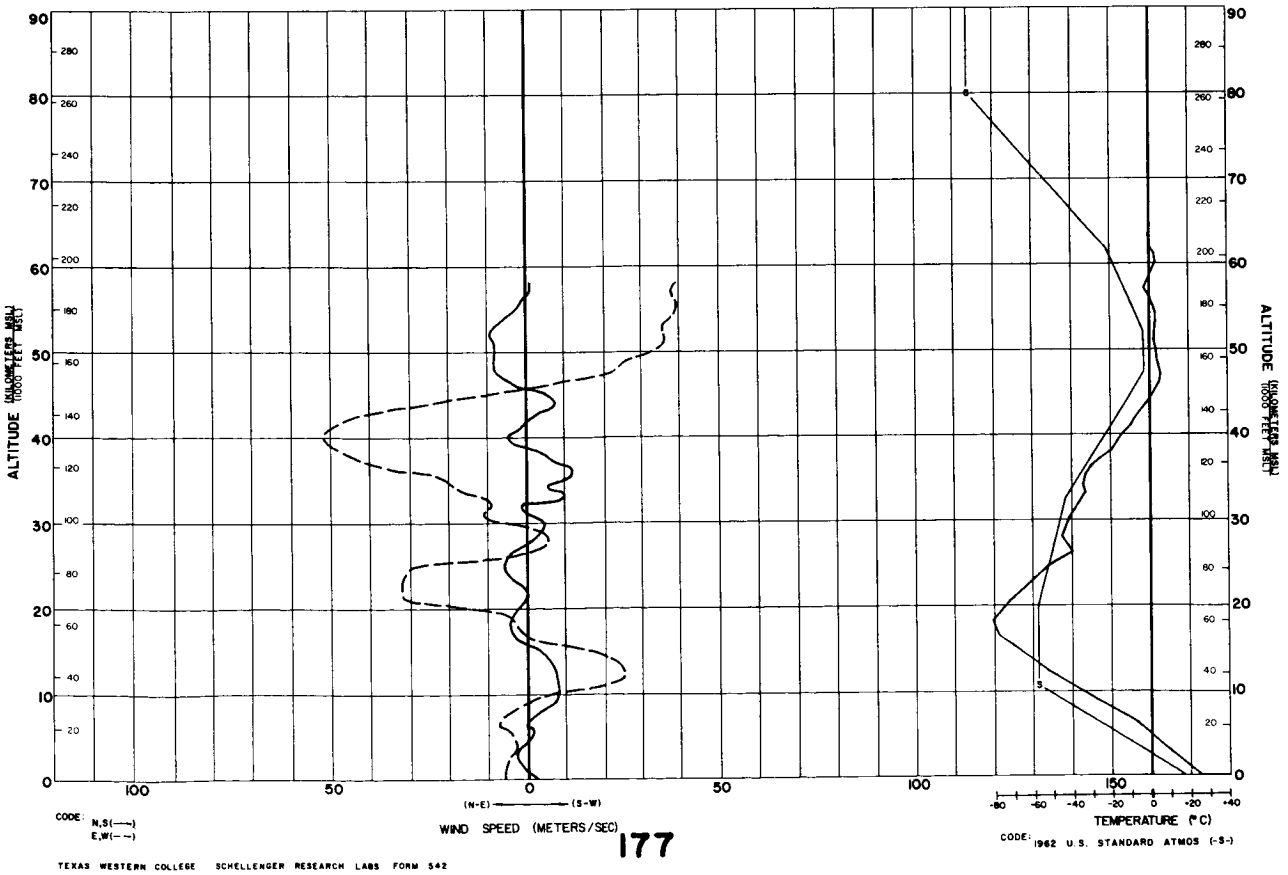
A MSL	TDC	PMB	D	SOS
6325	-00.6	00.173	00.221	331
6300	-00.4	00.179	00.228	331
6200	+00.4	00.202	00.256	332
6100	+02.6	00.228	00.289	333
6000	+03.0	00.257	00.325	334
5900	+01.3	00.291	00.370	332
5800	-01.4	00.329	00.422	331
5700	-02.0	00.371	00.476	330
5600	+00.2	00.420	00.534	332
5500	+01.6	00.475	00.601	333
5400	+02.5	00.536	00.677	333
5300	+02.4	00.605	00.765	333
5200	+02.1	00.684	00.865	333
5100	+02.0	00.772	00.978	333
5000	+02.7	00.872	01.100	333
4900	+03.7	00.984	01.239	334
4800	+05.0	01.111	01.390	335
4700	+06.0	01.253	01.564	335
4600	+05.0	01.414	01.771	335
4500	+03.1	01.596	02.015	334
4400	+00.3	01.805	02.302	332
4300	-03.5	02.043	02.641	330
4200	-06.9	02.317	03.030	327
4100	-09.8	02.631	03.488	326
4000	-14.2	02.994	04.020	323
3900	-16.4	03.412	04.627	322
3800	-19.8	03.895	05.349	319
3700	-25.5	04.457	06.293	316
3600	-31.0	05.117	07.360	312
3500	-32.8	05.884	08.525	311
3400	-33.6	06.772	09.847	311
3300	-33.4	07.796	11.328	311
3200	-36.0	08.980	13.192	309
3100	-37.9	10.361	15.337	308
3000	-42.3	11.978	18.065	305
2800	-45.3	16.067	24.544	303
2600	-40.3	21.505	32.162	306
2450	-53.4	26.873	42.652	298

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0004.6	3658				-34.1
0005.7	3505	-001	-035		-38.9
0007.1	3353	+003	-024		-39.8
0008.8	3200	+001	-016		-39.8
0011.0	3048	+002	-013		-45.5
0013.8	2896	+005	-005		-46.5
0017.3	2743	+005	+003		-44.7
0021.8	2591	-001	+008		-49.4
0027.4	2438	-001	-017		-45.5
0044.2	2134	+000	-032		-67.2
0074.5	1829	-004	-003		-80.8
0126.7	1524	+002	+012		-71.0
0207.7	1219	+008	+026	32	-53.2
0325.0	0914	+008	+001	28	-28.6
0487.6	0610	+000	-007	28	-06.3
0711.3	0305	-003	-004	40	+09.8
1005.8	0008	+002	-006	74	+25.7
0010.0	3091	+001	-012		-43.9
0050.0	2050	-001	-023		-73.0
0100.0	1655	-003	+000		-77.9
0500.0	0588	+001	-006	28	-04.9
0700.0	0317	-002	-003	41	+08.9

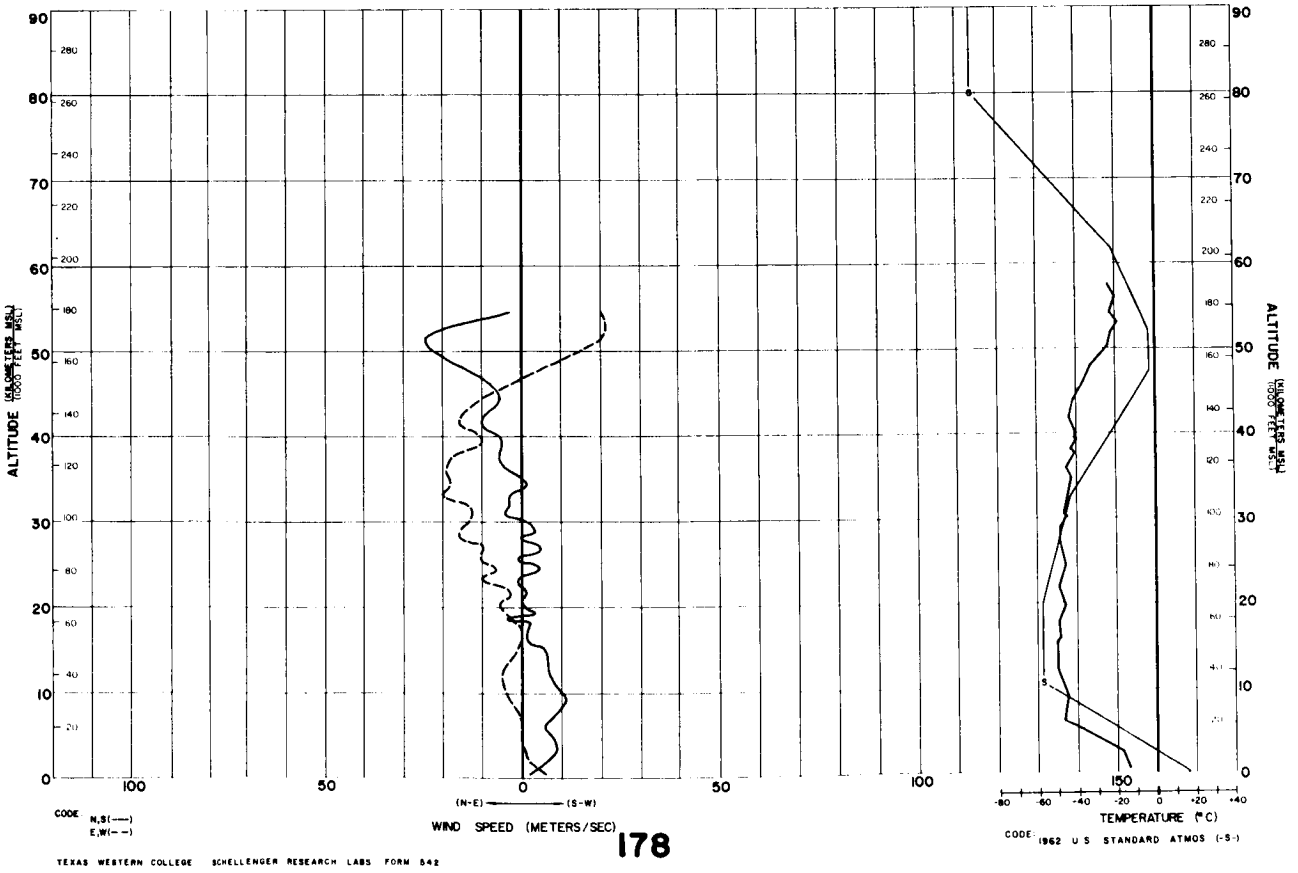


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WMB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 26	2000	-03	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR •	PMB	A MSL	COMP	WNDS	RH	TDC
107	5448	-003	+020	5760	-23.6	00.228	00.318	317					0008.4	3200	+001	-017		-42.1
092	5151	-024	+020	5610	-19.9	00.279	00.383	319					0010.4	3048	+000	-013		-43.8
067	4812	-015	+006	5400	-22.7	00.369	00.512	317					0012.2	2896	+003	-014		-44.5
052	4455	-006	-010	5295	-18.6	00.424	00.580	320					0014.5	2743	+000	-013		-45.3
042	4175	-010	-016	5180	-21.8	00.494	00.684	318					0020.8	2591	-001	-010		-46.9
034	3949	-005	-010	5015	-24.0	00.616	00.861	316					0026.3	2438	+003	-007		-47.0
030	3759	-006	-018	4860	-29.5	00.762	01.089	313					0041.5	2134	+001	-005		-47.4
027	3590	-003	-019	4795	-33.4	00.834	01.211	310					0067.0	1829	+001	-001		-47.9
025	3436	+001	-018	4555	-36.6	01.171	01.724	308					0106.3	1524	+004	-001		-49.8
021	3301	-003	-020	4370	-41.7	01.528	02.300	305					0169.9	1219	+007	-005		-50.3
020	3181	-003	-014	4210	-44.1	01.931	02.937	303					0269.0	0914	+011	-003		-44.8
016	3076	-004	-013	4000	-39.8	02.624	03.917	306					0428.2	0610	+006	+000		-48.4
017	2978	+002	-014	3925	-41.2	02.925	04.393	305					0652.1	0305	+008	+001	36	-21.0
012	2892	+003	-016	3895	-40.0	03.055	04.565	306					0938.0	0040	+002	+006	65	-13.8
014	2814	+000	-016	3800	-43.5	03.510	05.323	304					0010.0	3086	+000	-013		-43.5
014	2730	+004	-010	3740	-41.3	03.832	05.757	305					0050.0	2018	-001	-003		-47.6
013	2651	+004	-010	3575	-45.8	04.884	07.483	302					0100.0	1561	+002	-001		-48.3
010	2553	-001	-010	3460	-42.8	05.788	08.753	304					0500.0	0504	+007	+000	43	-38.4
009	2438	+004	-007	3055	-46.1	10.535	16.163	302					0700.0	0262	+007	+001	43	-17.7
009	2331	-001	-010	3010	-44.8	11.263	17.183	303										
007	2239	+000	-006	2885	-47.5	13.571	20.951	301										
007	2154	+001	-003	2750	-48.6	16.627	25.795	300										
006	2074	+000	-005	2445	-46.3	26.284	40.362	302										
006	2002	+001	-005	2180	-49.3	39.165	60.950	300										
005	1934	+003	-004	1970	-46.1													
005	1871	-004	-003	1870	-47.6													
006	1805	+002	-001	1770	-49.0													

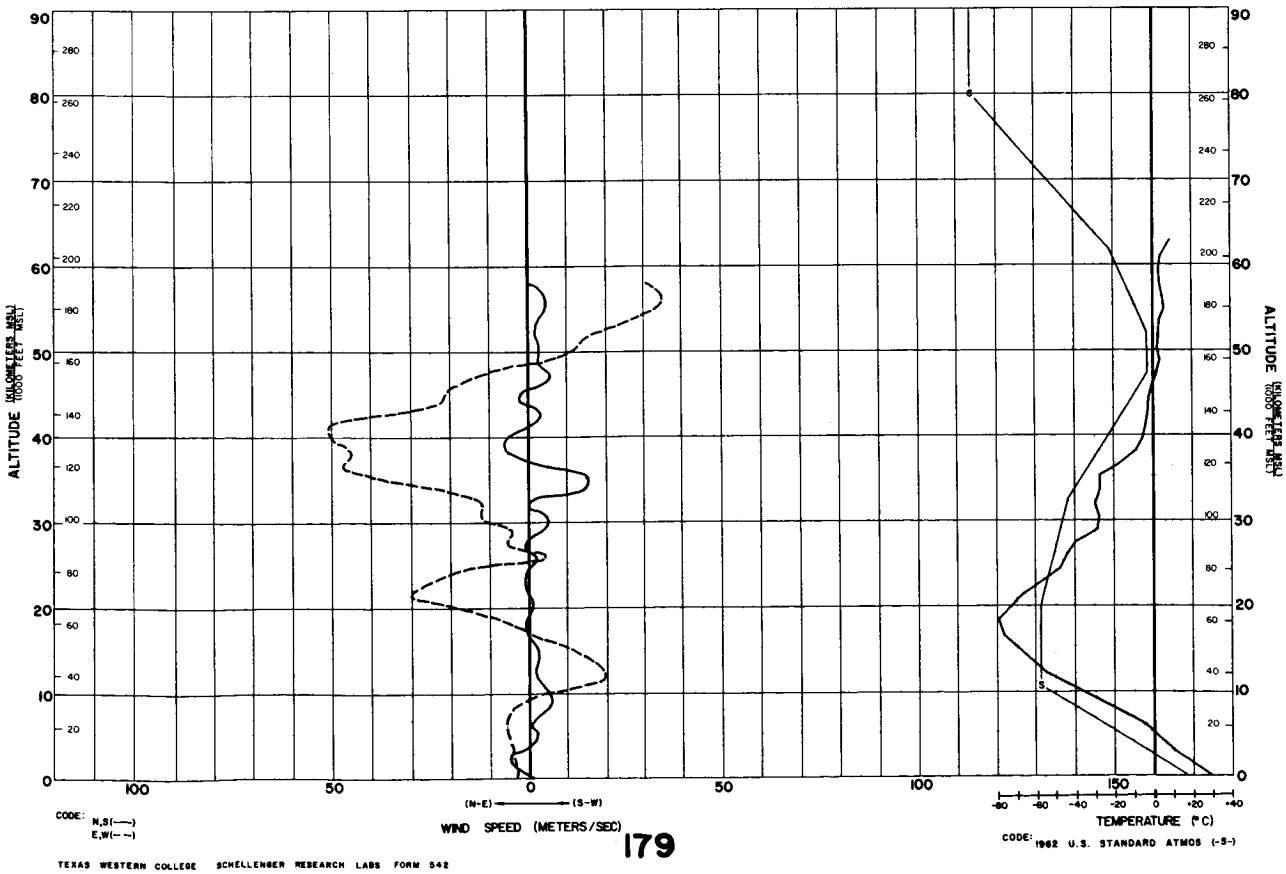


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 27	1845	-03	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
123	5791	+000	+031	6279	+09.1	00.197	00.245	337					0005.7	3500	+014	-040		-35.2
112	5639	+004	+035	6248	+08.1	00.204	00.254	337					0007.0	3350	+009	-021		-37.8
102	5486	+004	+033	6096	+04.0	00.245	00.308	334					0008.7	3200	+006	-008		-43.3
092	5334	+002	+024	5944	+02.5	00.295	00.373	333					0010.9	3050	+004	-017		-39.1
084	5182	+002	+016	5791	+02.6	00.355	00.448	333					0013.5	2900	+000	-005		-43.9
075	5029	+003	+012	5639	+05.1	00.426	00.532	335					0016.9	2750	-001	-006		-47.6
068	4877	+003	+001	5486	+06.4	00.512	00.638	336					0021.2	2600	+006	+002		-48.6
062	4724	+006	-013	5334	+02.8	00.615	00.777	333					0026.5	2450	-002	-003		-48.2
055	4572	+000	-020	5182	+02.0	00.740	00.938	333					0044.4	2125	+000	-030		-67.0
050	4420	-002	-022	5029	+02.2	00.892	01.128	333					0074.3	1825	-001	-006		-79.4
046	4267	+003	-038	4877	+03.1	01.073	01.353	334					0125.2	1525	+002	+009		-71.6
041	4115	+000	-051	4724	+01.9	01.293	01.636	333					0204.0	1225	+002	+019	24	-55.2
037	3962	-006	-049	4572	-00.8	01.559	01.992	331					0317.9	0925	+006	+000	19	-29.2
033	3810	-005	-045	4420	-01.6	01.882	02.414	331					0491.0	0600	+001	-006	19	-05.5
028	3658	+004	-047	4267	-03.3	02.274	02.932	330					0712.9	0300	-004	-004	25	+10.2
025	3505	+015	-039	4115	-03.8	02.750	03.557	329					1003.4	0008	+001	-003	59	+28.8
022	3353	+013	-020	3962	-05.0	03.328	04.323	329					0010.0	3086	+005	-017		-40.9
019	3200	+000	-012	3810	-08.5	04.037	05.324	327					0050.0	2043	+001	-023		-71.3
017	3048	+005	-012	3658	-17.1	04.917	06.715	321					0100.0	1649	+000	+002		-77.0
014	2896	+003	-004	3505	-27.2	06.041	08.561	315					0500.0	0584	+002	-006	20	-04.8
012	2743	-001	-005	3353	-27.3	07.447	10.553	315					0700.0	0314	-002	-004	24	+09.5
011	2591	+002	+004	3200	-30.4	09.189	13.179	313										
009	2469	+000	-014	3048	-27.5	11.346	16.084	315										
				2896	-29.0	13.994	19.993	314										
				2743	-40.1	17.393	25.988	306										
				2591	-44.4	21.739	33.101	303										
				2438	-48.2	27.260	42.230	301										



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 27	2000	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
100	5361	-003	+014
082	5088	-001	+009
070	4860	-008	+002
057	4586	-006	-002
044	4284	-011	-013
038	4038	-013	-016
030	3834	-011	-015
027	3661	-010	-020
025	3504	-007	-027
020	3369	-009	-024
022	3244	-006	-022
018	3127	-003	-020
016	3025	+000	-019
015	2931	-001	-019
014	2845	+001	-017
012	2767	-002	-018
012	2694	+001	-013
011	2624	+001	-014
009	2534	-001	-012
009	2423	+003	-008
008	2317	+002	-011
007	2226	-004	-005
007	2145	+003	-005
007	2066	+001	-006
006	1993	-001	-004
006	1926	+001	-005
006	1860	-001	-003

THERMODYNAMICS

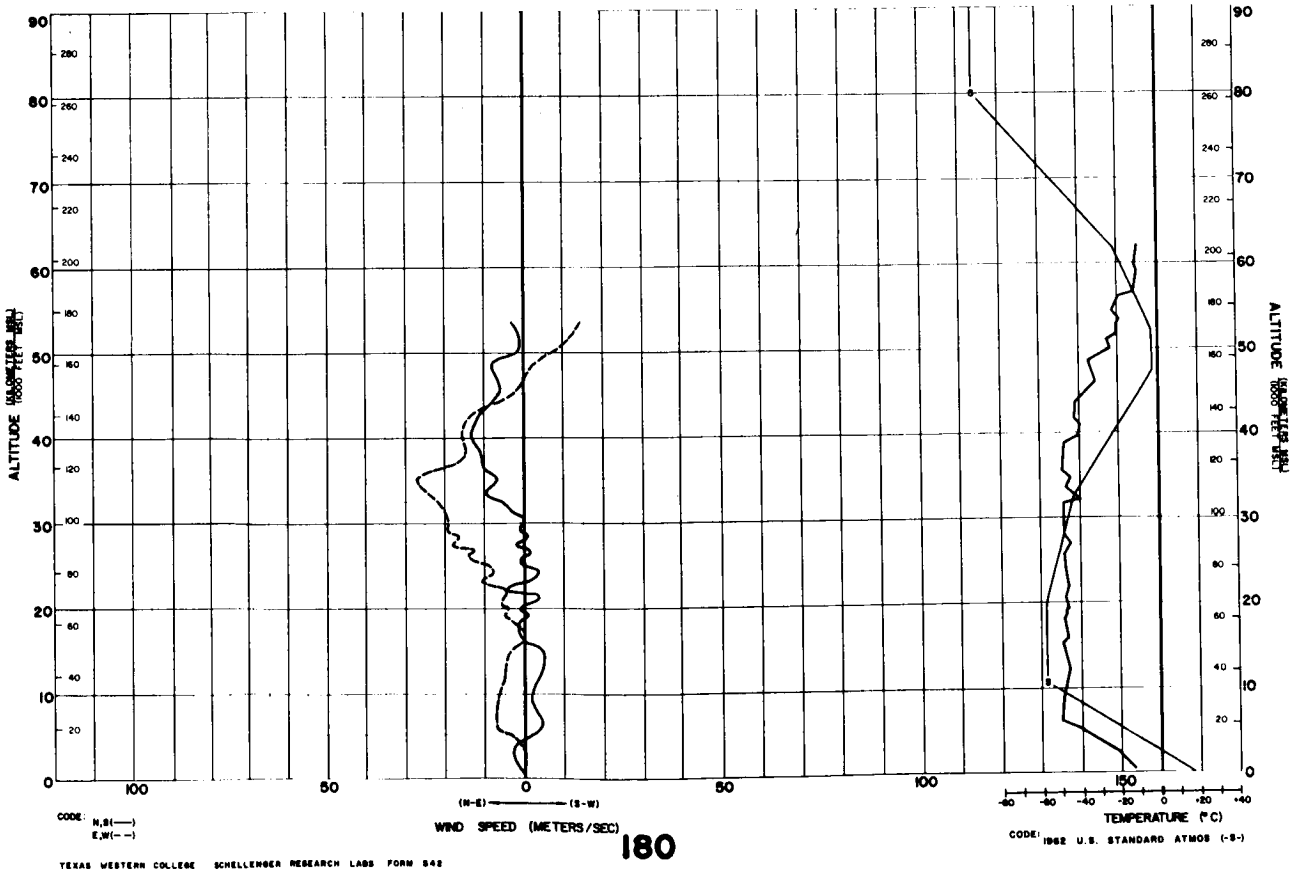
A MSL	TDC	PMB	D	SOS
6205	-10.8	00.130	00.173	325
6005	-12.3	00.169	00.225	324
5900	-11.5	00.193	00.256	324
5665	-12.9	00.261	00.349	323
5600	-18.9	00.284	00.389	320
5410	-22.7	00.366	00.508	317
5350	-18.5	00.396	00.541	320
5280	-21.3	00.435	00.601	318
5165	-21.1	00.507	00.700	318
5105	-24.6	00.549	00.769	316
5010	-24.0	00.625	00.873	316
4850	-34.9	00.779	01.139	309
4600	-32.0	01.107	01.598	311
4335	-42.3	01.615	02.437	305
4180	-43.2	02.027	03.070	304
4090	-39.8	02.310	03.449	306
3970	-40.7	02.749	04.119	306
3870	-47.5	03.185	04.917	301
3555	-48.5	05.109	07.922	300
3465	-45.5	05.844	08.943	302
3350	-47.0	06.936	10.685	301
3285	-44.8	07.641	11.656	303
3190	-40.5	08.783	13.152	306
3160	-48.2	09.182	14.219	301
2820	-47.9	15.309	23.676	301
2690	-44.5	18.587	28.318	303
2555	-48.3	22.741	35.233	301
2420	-46.8	27.855	42.871	302
2205	-45.9	38.419	58.894	302
2055	-46.9	48.088	74.043	302
1960	-46.0			
1930	-47.3			
1850	-47.1			
1825	-47.9			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.4	3200	-003	-020		-48.0
0010.6	3048	+000	-019		-47.7
0013.4	2896	+002	-016		-48.0
0016.9	2743	+000	-016		-48.2
0021.2	2591	+000	-014		-48.7
0026.8	2438	+002	-012		-48.4
0042.6	2134	+001	-007		-48.0
0067.7	1829	+000	-003		-48.6
0107.9	1524	+003	-003		-48.8
0171.4	1219	+004	-005		-45.9
0269.8	0914	+002	-007		-49.2
0433.7	0610	+004	-007		-50.0
0672.2	0305	-003	+000	87	-24.1
0958.2	0040	+000	+000	88	-13.0
0010.0	3089	-001	-019		-47.6
0050.0	2029	+001	-005		-47.9
0100.0	1573	+001	-001		-47.1
0500.0	0514	+003	-005		-41.9
0700.0	0277	-003	+000	94	-21.5

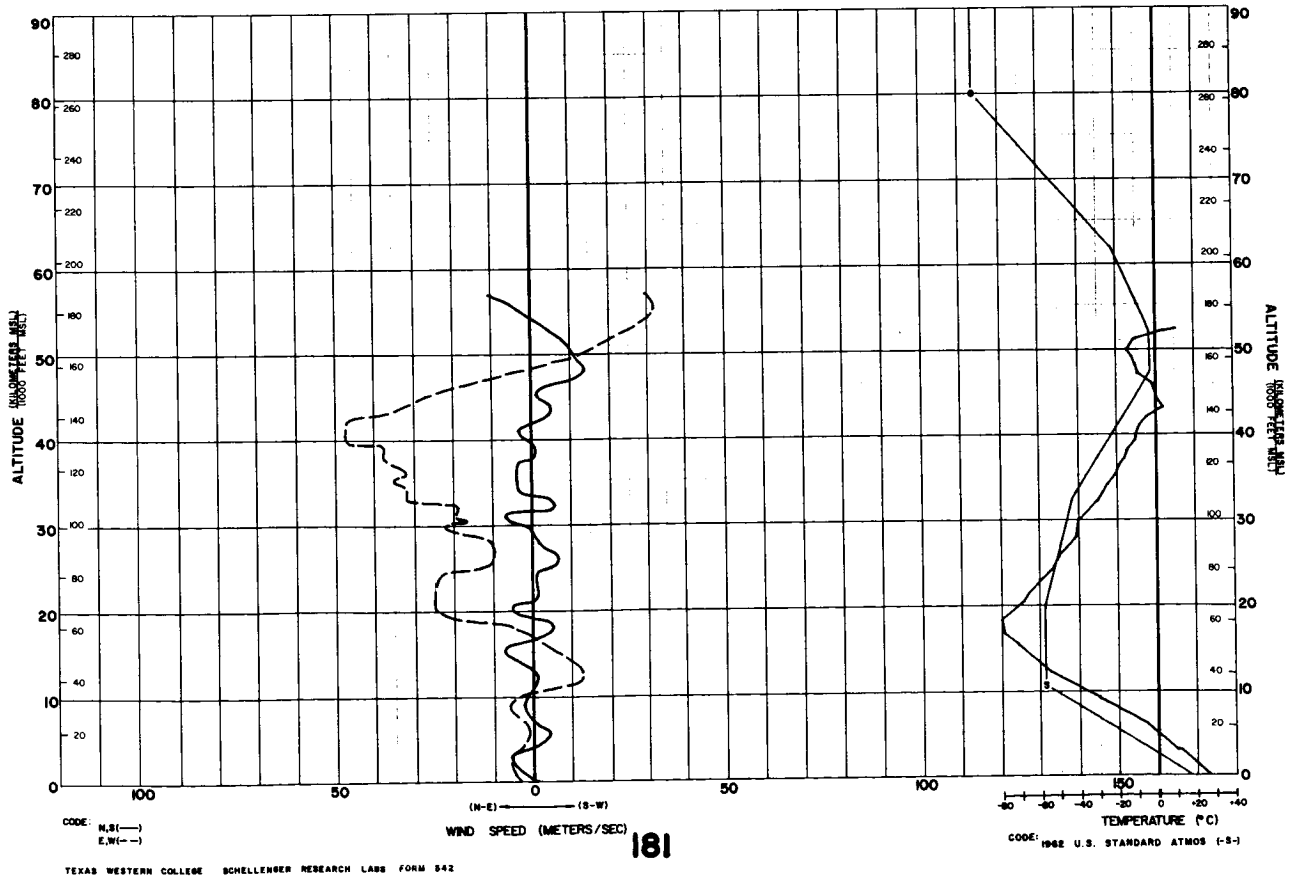


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 28	0630	-03	01	02	12			01			5225	5100	1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
117	5700	-011	+029	5225	+10.8	00.657	00.820	338					0005.5	3500	-005	-036		-31.5
110	5600	-006	+032	5200	+03.9	00.678	00.845	334					0006.9	3350	+003	-030		-38.2
104	5500	-003	+032	5100	-11.4	00.768	01.011	325					0008.5	3200	+007	-016		-40.7
097	5400	+001	+029	5000	-14.2	00.873	01.172	323					0010.6	3050	-001	-018		-44.7
091	5300	+004	+026	4900	-11.9	00.993	01.325	324					0013.3	2900	+005	-008		-48.1
086	5200	+007	+021	4800	-10.2	01.128	01.493	325					0016.7	2750	-001	-004		-49.5
081	5100	+009	+017	4700	-08.6	01.281	01.688	326					0020.9	2600	+006	-011		-52.2
076	5000	+011	+013	4600	-02.2	01.451	01.868	330					0026.4	2450	+000	-024		-54.5
071	4900	+013	+006	4500	-00.7	01.642	02.099	331					0044.3	2125	+001	-025		-65.1
067	4800	+014	-003	4400	+00.1	01.857	02.367	332					0073.4	1825	+005	-006		-79.6
061	4700	+010	-012	4300	+03.0	02.099	02.650	334					0124.1	1525	-007	+006		-72.1
056	4600	+003	-022	4200	-03.7	02.375	03.053	329					0202.9	1225	+001	+013	32	-55.6
053	4500	+002	-027	4100	-08.8	02.696	03.553	326					0316.7	0925	-002	-006	24	-30.6
050	4400	+005	-032	4000	-10.2	03.063	04.057	325					0490.8	0600	+003	-001	25	-06.4
047	4300	+005	-039	3900	-11.8	03.483	04.638	324					0712.4	0300	-006	-006	28	+10.2
044	4200	+000	-047	3800	-14.9	03.966	05.350	323					1003.4	0008	+001	-003	77	+25.2
041	4100	-003	-047	3700	-16.1	04.520	06.112	322					0010.0	3069	-006	-017		-43.6
038	4000	-001	-047	3600	-19.0	05.158	07.069	320					0050.0	2041	-005	-025		-67.9
036	3900	+001	-037	3500	-21.6	05.893	08.178	318					0100.0	1643	-001	+002		-78.4
033	3800	+001	-037	3400	-25.1	06.746	09.479	316					0500.0	0584	+004	-001	25	-05.6
031	3700	-003	-035	3300	-27.0	07.734	10.945	315					0700.0	0314	-005	-005	28	+08.9
029	3600	-003	-032	3200	-31.0	08.880	12.776	312										
027	3500	-003	-035	3100	-34.3	10.218	14.891	310										
024	3400	-003	-032	3000	-40.1	11.789	17.626	306										
022	3300	+004	-032	2800	-41.4	15.770	23.706	306										
020	3200	+006	-018	2600	-49.4	21.238	33.045	300										
019	3100	-007	-019	2450	-52.7	26.708	42.284	298										
017	3000	-002	-022															
014	2800	+002	-010															
011	2600	+007	-010															
010	2475	+003	-022															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
11604	AFETR, ANTIGUA AFB	66 02 28	1445	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
083	5182	-011	-001
077	5029	-013	-005
072	4877	-010	-010
065	4724	-006	-012
058	4572	-002	-017
052	4420	-002	-017
046	4267	-001	-011
041	4115	-001	-010
038	3962	+001	-008
033	3810	-006	-014
029	3658	-004	-009
026	3505	-002	-011
023	3353	-005	-015
020	3200	+004	-017
017	3048	-001	-015
014	2896	+004	-010
013	2743	+000	-016
011	2591	+001	-014
	2438	-005	-023

THERMODYNAMICS

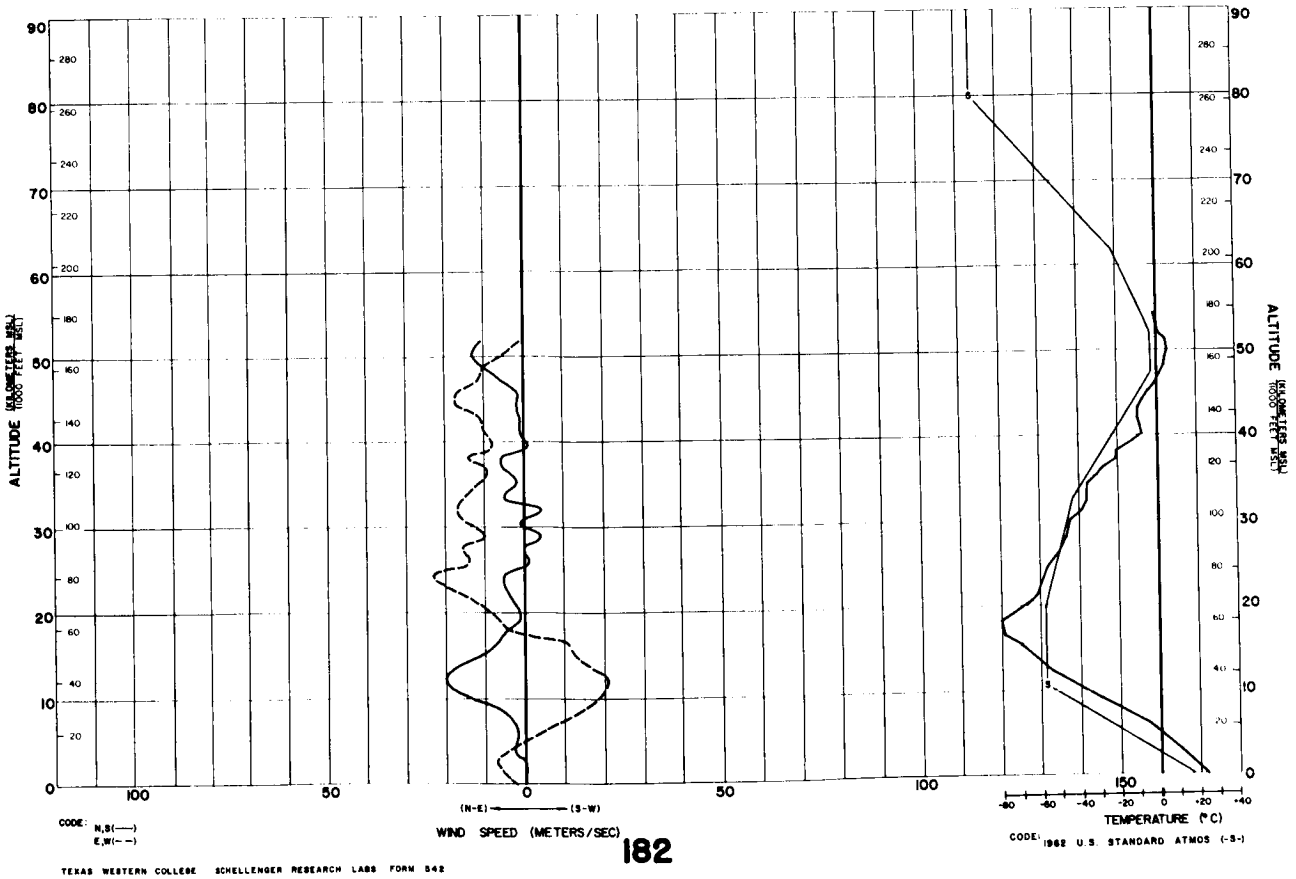
A MSL	TDC	PMB	D	SOS
5425	-00.8	00.512	00.654	331
5400	-00.6	00.528	00.675	331
5300	+00.2	00.596	00.760	332
5200	+00.8	00.674	00.857	332
5100	+05.0	00.761	00.951	335
5000	+06.4	00.858	01.069	336
4900	+05.2	00.968	01.209	335
4800	+03.1	01.093	01.379	334
4700	+00.9	01.235	01.567	332
4600	-01.2	01.397	01.789	331
4500	-03.9	01.582	02.048	329
4400	-07.8	01.795	02.358	327
4300	-09.5	02.038	02.693	326
4200	-09.9	02.316	03.066	326
4100	-08.6	02.630	03.463	326
4000	-07.8	02.987	03.923	327
3900	-13.0	03.397	04.545	324
3800	-20.8	03.875	05.343	319
3700	-21.4	04.431	06.134	318
3600	-28.4	05.077	07.227	314
3500	-30.9	05.830	08.405	312
3400	-35.9	06.714	09.865	309
3300	-35.9	07.740	11.366	309
3200	-36.4	08.922	13.127	309
3100	-39.1	10.300	15.325	307
3000	-44.5	11.919	18.140	303
2800	-46.5	16.054	24.666	302
2600	-51.2	21.697	34.049	299
2450	-55.9	27.351	43.871	296

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0009.0	3200				-35.5
0011.2	3048	+003	-014		-45.0
0014.0	2896	+004	-012		-44.5
0017.5	2743	-003	-014		-45.7
0022.0	2591	-001	-014		-50.7
0027.9	2438	-005	-022		-56.2
0044.9	2134	-003	-013		-61.1
0075.0	1829	-003	-005		-79.6
0127.2	1524	-009	+012		-70.4
0208.0	1219	-020	+021	25	-53.8
0325.2	0914	-008	+016	32	-29.6
0488.5	0610	-002	+004	17	-06.3
0711.6	0305	-001	-007	19	+10.3
1018.0	0000	+000	-002	86	+23.1
0010.0	3101	+001	-015		-38.9
0050.0	2057	-002	-010		-65.0
0100.0	1656	-009	+011		-79.1
0500.0	0590	-002	+003	17	-05.2
0700.0	0318	-002	-006	18	+09.3

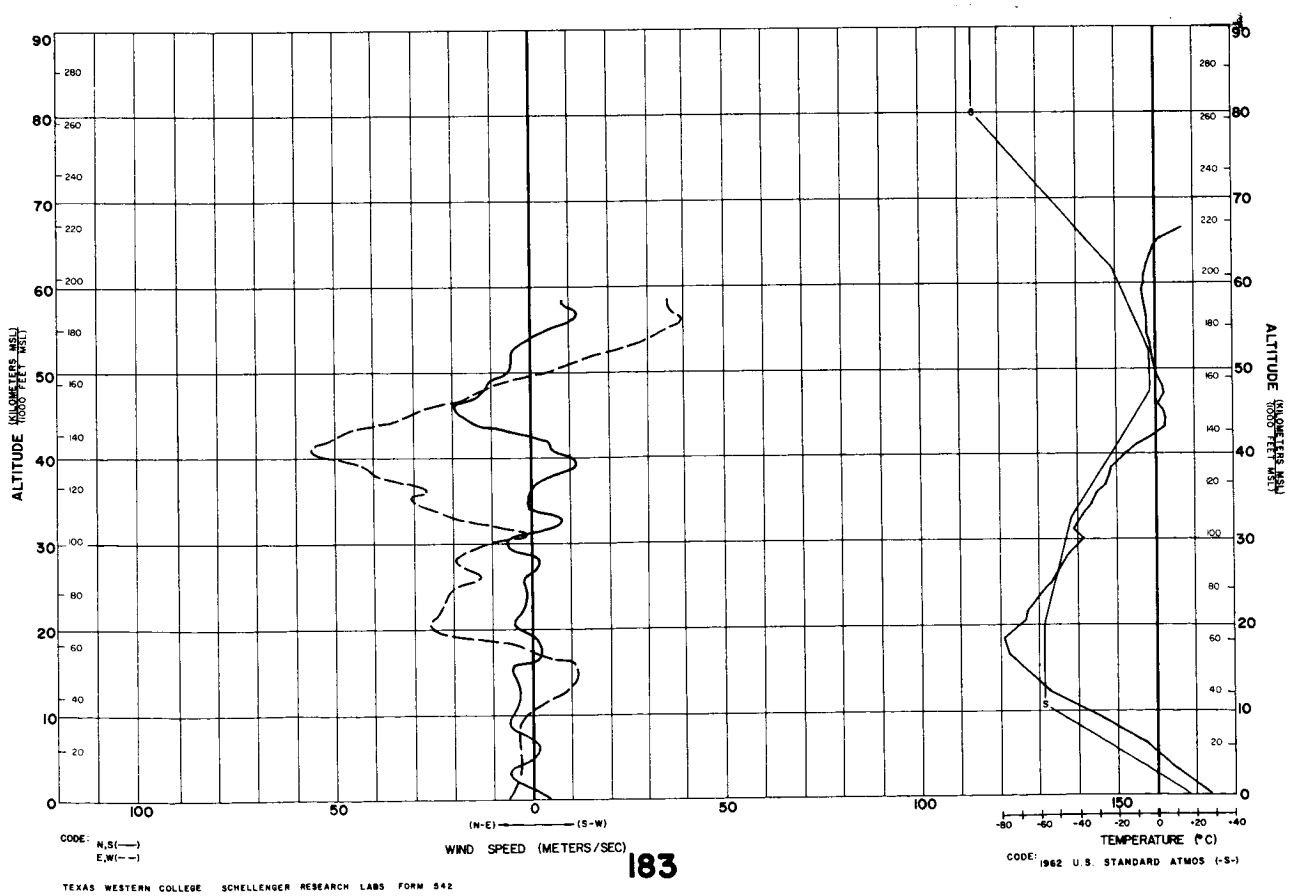


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	OD	WHT	WHB	THT	THB	C
50101	AFETR, ASCENSION ISLAND AFB	66 02 28	1500	-04	01	02	12								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB				
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
125	5825	+008	+036	6625	+13.7	00.116	00.144	340					0008.9	3200	+005	-029		-38.1
123	5800	+008	+036	6600	+11.5	00.120	00.148	339					0011.1	3048	-001	-008		-41.0
115	5700	+012	+037	6500	+02.9	00.135	00.167	333					0013.9	2896	-004	-013		-41.2
108	5600	+011	+039	6400	-00.2	00.152	00.195	332					0017.4	2743	-001	-006		-47.9
101	5500	+006	+037	6300	-02.1	00.172	00.220	330					0021.8	2591	+001	-017		-48.0
094	5400	+001	+032	6200	-03.8	00.195	00.252	329					0027.5	2438	+002	-025		-56.1
088	5300	-003	+025	6100	-05.2	00.221	00.287	329					0044.8	2134	-003	-024		-65.7
084	5200	-005	+017	6000	-05.8	00.250	00.325	328					0075.0	1829	+002	-007		-78.5
078	5100	-005	+010	5900	-06.6	00.283	00.370	328					0126.7	1524	-005	+012		-70.7
073	5000	-006	+004	5800	-06.4	00.321	00.419	328					0207.4	1219	-003	+007	24	-54.2
069	4900	-010	-005	5700	-05.0	00.364	00.473	329					0324.5	0914	-006	-003	20	-28.7
065	4800	-012	-012	5600	-03.7	00.412	00.533	329					0487.4	0610	+002	-003	21	-06.6
061	4700	-015	-016	5500	-03.8	00.467	00.603	329					0710.4	0305	-006	-003	31	+09.9
057	4600	-019	-025	5400	-03.8	00.528	00.683	329					1005.8	0008	+004	-007	66	+27.3
054	4500	-018	-030	5300	-03.0	00.598	00.772	330					0010.0	3100	+007	-016		-39.4
050	4400	-015	-036	5200	-02.1	00.677	00.871	330					0050.0	2056	-004	-026		-66.6
048	4300	-006	-047	5100	-01.2	00.766	00.980	331					0100.0	1656	+002	+005		-75.9
044	4200	+004	-052	5000	-00.4	00.866	01.106	331					0500.0	0588	+002	-003	20	-05.0
041	4100	+006	-056	4900	+01.0	00.978	01.240	332					0700.0	0316	-006	-003	32	+09.5
038	4000	+010	-050	4800	+03.5	01.105	01.393	334										
035	3900	+012	-043	4700	+03.9	01.248	01.571	334										
032	3800	+007	-040	4600	+01.5	01.409	01.788	333										
029	3700	+002	-032	4500	+02.7	01.592	02.015	333										
027	3600	+000	-027	4400	+04.8	01.797	02.254	335										
025	3500	-001	-031	4300	+04.1	02.030	02.548	334										
022	3400	-001	-026	4200	-02.0	02.296	02.958	330										
022	3300	+007	-021	4100	-09.3	02.605	03.432	326										
020	3200	+007	-010	4000	-15.2	02.965	04.009	322										
018	3100	-002	-002	3900	-19.2	03.382	04.648	320										
017	3000	-007	-011	3800	-22.3	03.866	05.374	318										
014	2800	+002	-019	3700	-24.0	04.424	06.185	317										
011	2600	-002	-013	3600	-26.0	05.067	07.157	316										
009	2475	-002	-020	3500	-30.7	05.816	08.370	313										
				3400	-32.7	06.689	09.705	311										
				3300	-36.8	07.707	11.353	309										
				3200	-39.8	08.898	13.279	307										
				3100	-41.9	10.291	15.453	305										
				3000	-37.5	11.883	17.571	308										
				2800	-45.6	15.874	24.319	303										
				2600	-50.4	21.478	33.592	300										
				2450	-54.0	27.001	42.952	297										

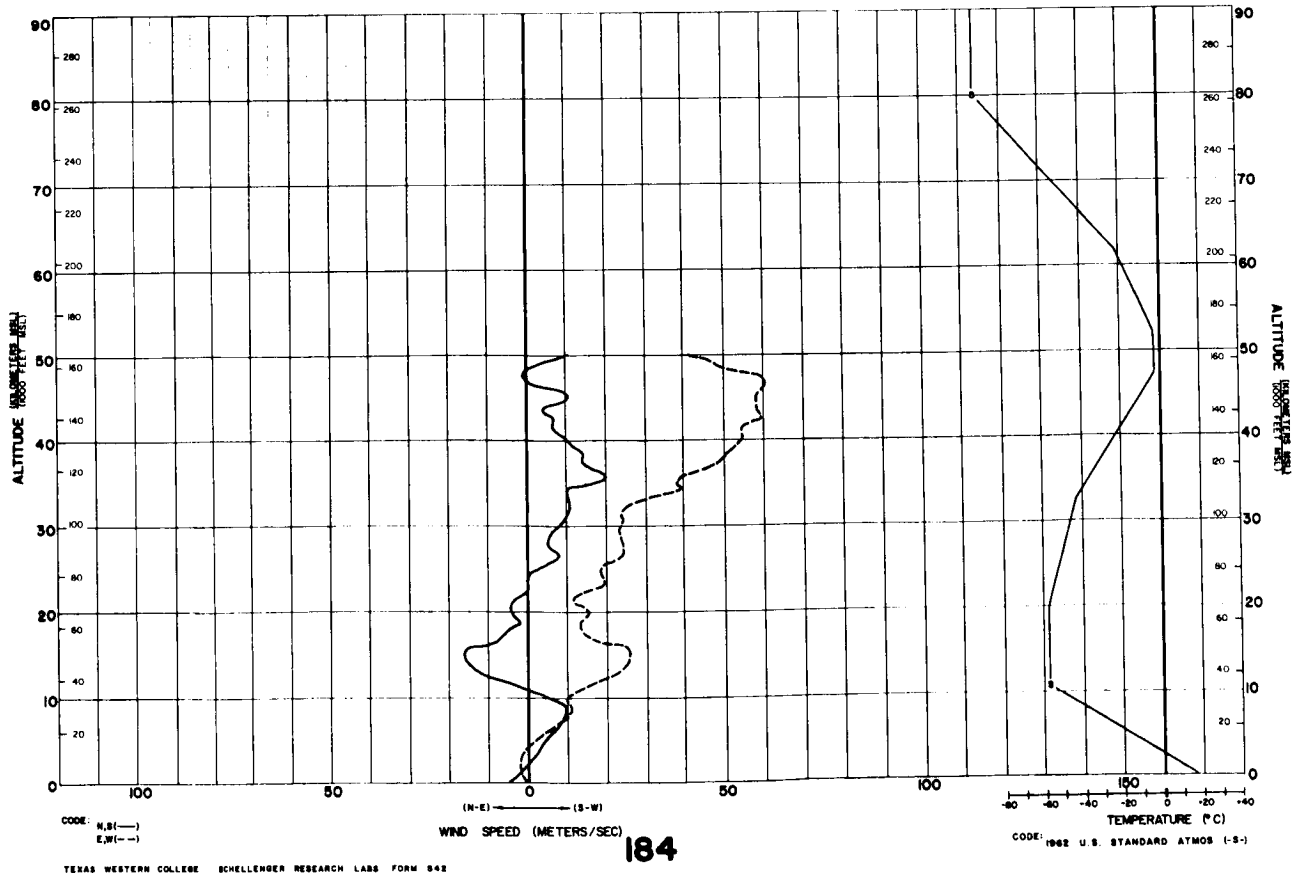


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE	TIME	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
		Y M D	Z												
93111	PMR, POINT MUGU, CALIF.	66 02 28	1651	-03	03	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION					RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR		PMB	A MSL	COMP	WNDS	RH	TDC
013	5000	+011	+042											0021.3	2591	+006	+021		-54.9
027	4917	+005	+047											0027.0	2438	+001	+020		-58.2
027	4835	+000	+050											0043.8	2134	-004	+012		-62.8
026	4756	-001	+059											0072.0	1829	-008	+014		-67.5
020	4634	+004	+060											0118.6	1524	-016	+026		-63.3
022	4500	+011	+058											0192.7	1219	-010	+021	32	-61.0
024	4356	+004	+058											0309.1	0914	+009	+011	29	-44.2
017	4253	+007	+059											0475.0	0610	+007	+006	20	-19.4
019	4137	+007	+054											0704.4	0305	+002	-002	20	+01.3
017	4033	+009	+054											1019.8	0000	-005	-001	81	+05.4
017	3932	+012	+053											0050.0	2046	-005	+015		-63.9
016	3835	+014	+051											0100.0	1625	-008	+019		-65.7
016	3740	+014	+048											0300.0	0933	+008	+010	03	-45.0
015	3649	+017	+044											0500.0	0571	+006	+004	21	-17.5
014	3567	+020	+039											0700.0	0310	+002	-002	20	+00.9
015	3475	+015	+038																
009	3420	+011	+039																
019	3304	+011	+031																
022	3170	+011	+024																
007	3085	+009	+024																
012	2935	+007	+023																
011	2798	+006	+024																
011	2667	+008	+024																
010	2548	+006	+019																
009	2435	+001	+018																
009	2332	+000	+019																
008	2231	+000	+015																
008	2134	-003	+012																
008	2042	-004	+014																
007	1960	-003	+015																
007	1875	-002	+013																
004	1831	-003	+013																

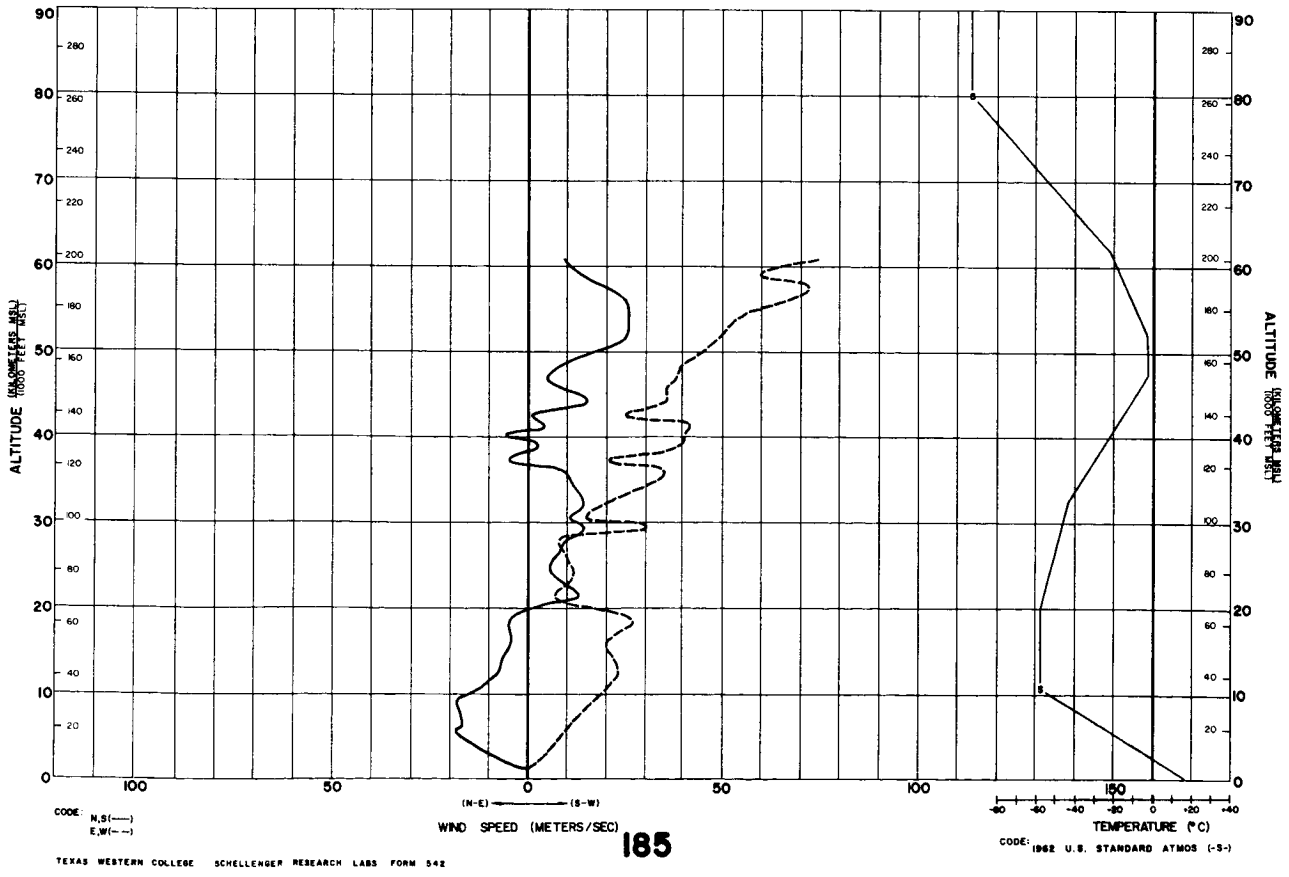


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 842

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
23039	WSMR. NEW MEXICO	66 02 28	1800	-02	20	01	00								1

	ROCKET WINDS			THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
068	6082	+009	+074										0008.8	3200				-36.4
052	5902	+013	+060										0011.0	3048	+010	+019		-42.3
045	5758	+020	+072										0013.8	2896	+009	+012		-46.4
037	5581	+025	+066										0017.3	2743	+010	+010		-50.3
035	5368	+026	+053										0021.8	2591	+004	+009		-52.3
031	5171	+025	+049										0027.6	2438	+006	+012		-53.5
028	4993	+016	+044										0044.3	2134	+013	+007		-58.9
025	4833	+008	+040										0071.9	1829	-005	+027		-67.3
023	4688	+005	+038										0118.0	1524	-005	+020		-60.1
024	4546	+009	+036										0192.4	1219	-008	+023		-65.9
020	4414	+015	+036										0309.5	0914	-018	+017		-43.0
029	4264	+001	+025										0475.0	0610	-017	+011	16	-18.2
015	4130	+004	+042										0703.7	0305	-010	+005	14	+01.7
018	4031	-006	+041										0882.5	0122	+000	+000	32	+08.0
019	3920	+002	+040										0010.0	3096	+011	+017		-39.9
014	3821	+000	+035										0050.0	2049	+006	+010		-54.7
020	3720	-005	+021										0100.0	1623	-004	+021		-63.4
013	3581	+009	+035										0500.0	0571	-018	+010	15	-15.1
017	3403	+012	+029										0700.0	0309	-010	+005	15	+01.3
014	3222	+014	+020															
012	3069	+011	+015															
009	2946	+014	+030															
013	2812	+010	+008															
009	2678	+008	+009															
009	2573	+007	+010															



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
26406	FORT GREELY, ALASKA	66 02 28	2230	-03	01	02	12								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
125	5652	+010	+022
096	5315	+014	+020
081	5048	+000	+018
065	4729	-008	+010
049	4386	-012	+007
040	4120	-012	+009
033	3900	-010	-011
030	3712	-017	-021
024	3552	-016	-019
023	3410	-016	-020
019	3284	-012	-020
018	3171	-011	-020
017	3066	-010	-021
016	2969	-010	-020
015	2876	-010	-018
013	2791	-010	-019
012	2715	-010	-017
012	2644	-007	-014
011	2547	-004	-014
009	2433	-001	-014
008	2332	+000	-007
008	2236	-001	-004
006	2151	-001	-005
006	2078	-001	-004
006	2008	+000	-003
005	1942	+000	-001
005	1874	-004	-003
005	1807	-003	-002

THERMODYNAMICS

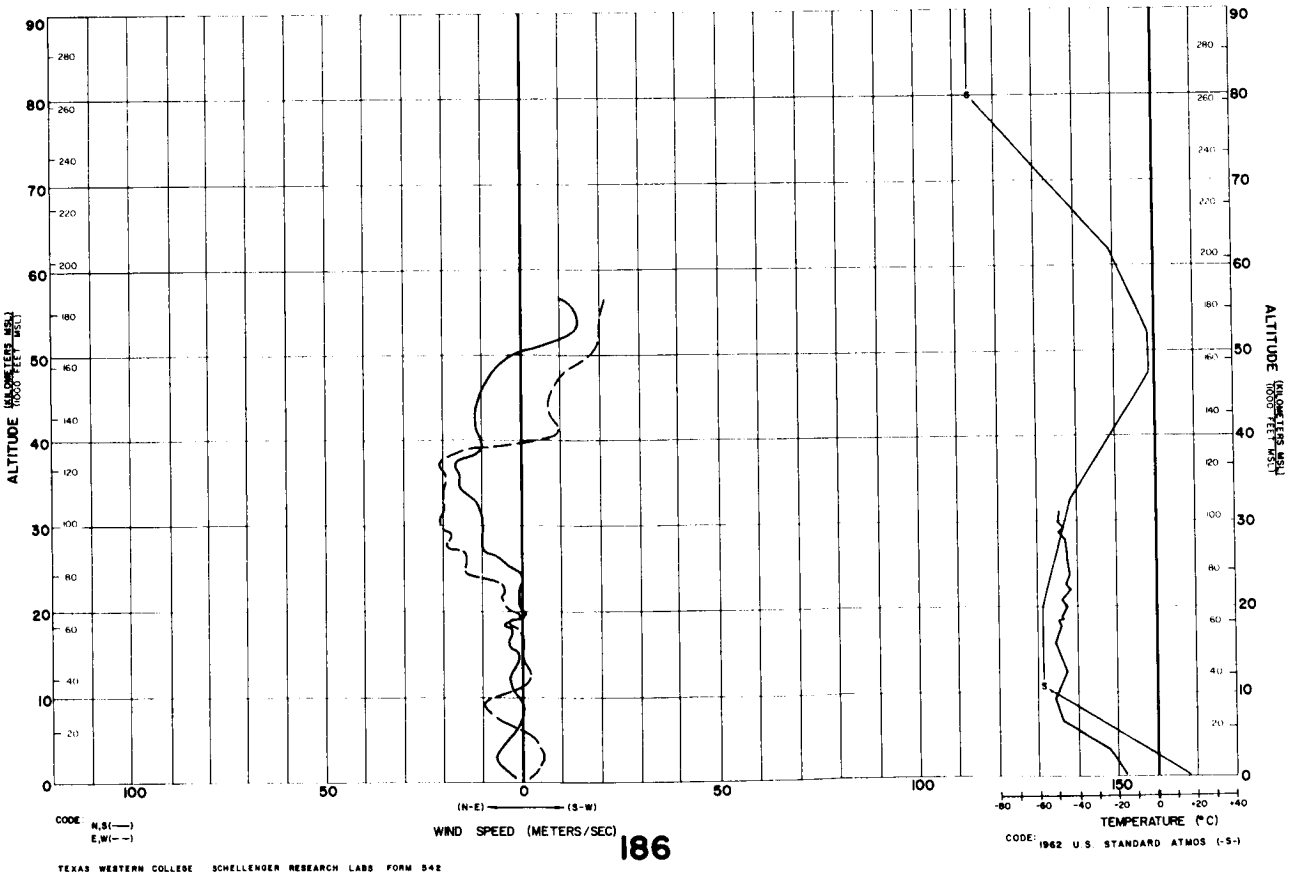
A MSL	TDC	PMB	D	SOS
3105	-48.5	10.119	15.691	300
2970	-49.8	12.408	19.353	300
2908	-47.2	13.623	21.003	301
2878	-49.0	14.252	22.149	300
2780	-46.2	16.511	25.343	302
2608	-45.8	21.339	32.697	302
2495	-45.8	25.254	38.696	302
2340	-44.3	31.797	48.402	303
2260	-45.6	35.812	54.825	302
2180	-43.4	40.325	61.144	304
2065	-47.7	47.868	73.966	301
1989	-45.7			
1950	-46.7			
1928	-46.3			
1887	-48.2			
1850	-47.2			
1820	-49.1			
1775	-48.0			

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.6	3200	-009	-019		-51.1
0010.8	3048	-009	-020		-50.8
0013.7	2896	-006	-018		-49.4
0017.2	2743	-004	-017		-48.0
0021.8	2591	+001	-015		-47.1
0027.2	2438	+000	-008		-45.6
0043.1	2134	-001	-003		-46.1
0068.5	1829	-002	+000		-48.1
0109.2	1524	-002	+000		-50.5
0173.8	1219	-003	+002		-46.5
0275.6	0914	+000	-009		-51.9
0441.2	0610	-002	-001		-47.5
0682.0	0305	-007	+005	80	-25.0
0978.6	0040	-002	+002	80	-16.9
0010.0	3100	-010	-018		-51.2
0050.0	2036	-001	-004		-47.9
0100.0	1581	-003	+000		-50.1
0500.0	0525	-003	+002		-40.6
0700.0	0287	-007	+005	86	-23.8



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

DATA SUMMARY

FEBRUARY 1966

MRN rocketsonde data for the current month are presented with the 6-year summaries on the following pages. More stations will be added in the future as their data samples increase.

Thermodynamic corrections have been applied where necessary, and all data have been screened for erroneous values. The computed means are simply totals divided by number of samples. Because of the scarcity of data near the top of soundings, the number of data samples are shown on the graphs as well as on the printed output, and should be carefully considered when using these data. The standard deviations are computed and rounded off.

Standard deviation computation is based on the following formula:

$$\sqrt{\frac{\Sigma X_1^2}{N} - \frac{(\Sigma X_1)^2}{N^2}}$$

Moderate westerly winds are evident in the stratosphere over most of the reporting points during the month of February. The exception to this moderate zonal system is Ft. Greely, Alaska.

The wind profile for Ft. Greely during this month indicates a light easterly flow. The light easterly winds are contrary to the 6-year mean which indicates light westerly winds. The meridianal profile is light at 20 km, but increases to a moderate northern component. The temperatures between 40 and 50 kms are slightly colder than the 6-year mean, and the 1962 U. S. Standard Atmosphere Profile.

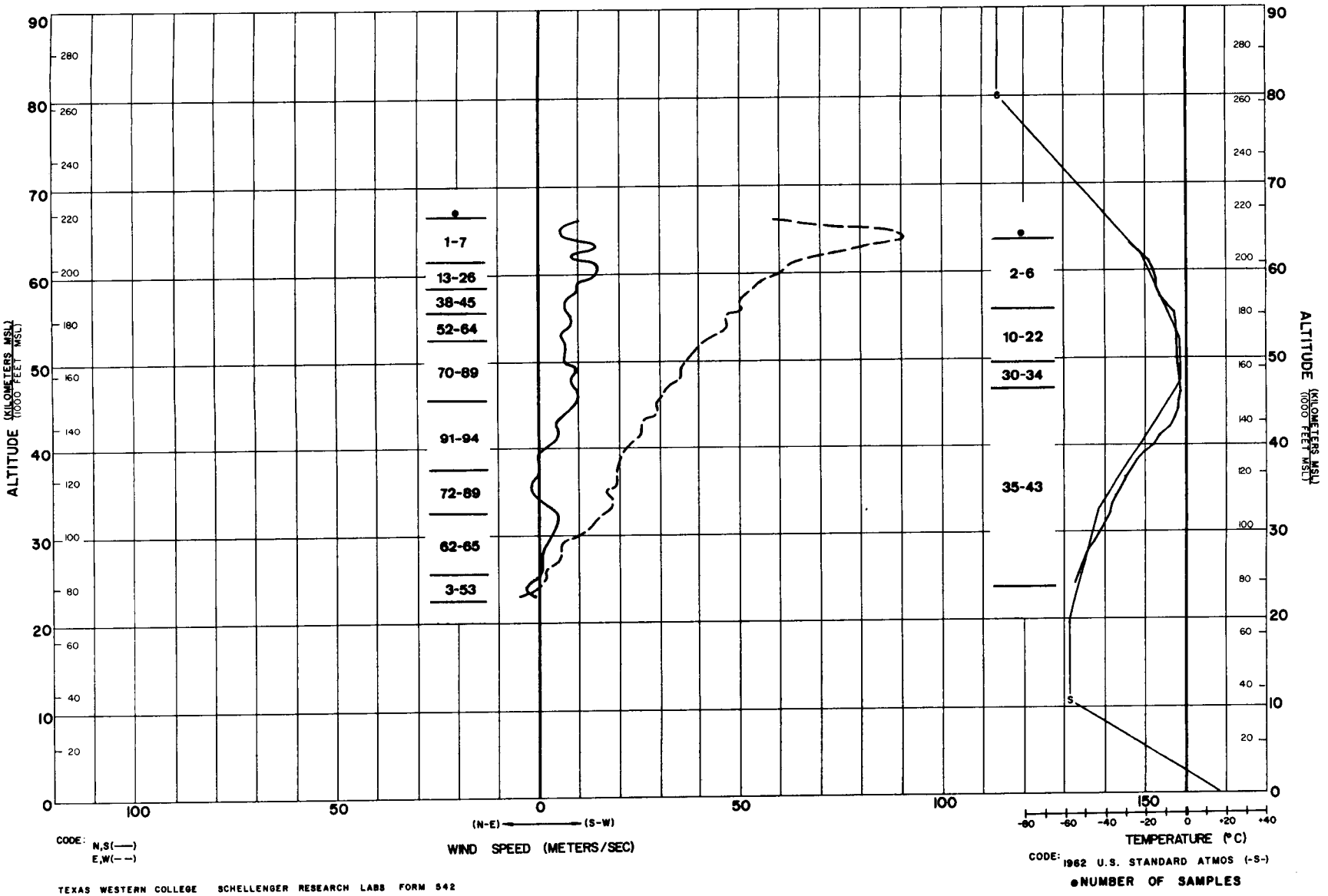
Wallops Island, Pt. Mugu and White Sands Missile Range report light zonal winds between 20 and 30 km. The light zonal winds increase to strong westerly winds with altitude above 30 km. The 6-year mean for Wallops Island and White Sands Missile Range shows moderate westerly winds above 30 km. Pt. Mugu reports very light northerly winds in the 6-year mean. The temperature profiles for all three stations are slightly warmer between 30 and 46 km but are generally in accord with the 1962 U. S. Standard Atmosphere Profile.

Cape Kennedy reports light zonal and meridianal below 40 km with the zonal increasing steadily to a strong westerly. The temperatures are slightly warmer than the 1962 U. S. Standard Atmosphere Profile below 47 km. These conditions again are in keeping with the 6-year mean.

STATISTICAL RESULTS FOR FEB DATA FOR THE YEARS 1961 THRU 1966 INCLUSIVE AT AFETR, CAPE KENNEDY AFS, FLA.

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

HT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
66.	1[illegible].	[illegible].	58.	[illegible]	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
65.	6.	[illegible].	75.	[illegible].	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
64.	8.	9.3	91.	1.4	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
63.	14.	13.4	82.	26.6	4	-28.0	4.2	2	0.159	0.009	2	0.230	0.019	2	314.	2.8	2
62.	8.	14.8	72.	35.8	7	-22.4	6.6	2	0.184	0.013	2	0.258	0.025	2	319.	4.1	2
61.	14.	16.8	63.	27.5	13	-18.3	8.9	2	0.215	0.016	2	0.292	0.031	2	320.	5.4	2
60.	14.	16.5	69.	25.4	21	-16.4	5.5	2	0.243	0.018	2	0.330	0.031	2	321.	3.4	2
59.	1[illegible].	13.9	55.	22.3	26	-15.5	3.2	2	0.277	0.021	2	0.374	0.030	2	322.	2.0	2
58.	1[illegible].	15.8	53.	17.8	38	-15.8	2.2	2	0.318	0.021	2	0.426	0.032	2	322.	1.5	2
57.	7.	16.8	51.	16.4	40	-13.8	4.4	5	0.340	0.026	5	0.456	0.031	5	325.	2.4	5
56.	7.	14.5	51.	16.7	45	-9.8	6.3	6	0.396	0.035	6	0.522	0.034	6	327.	3.9	6
55.	8.	15.4	47.	16.7	52	-6.5	5.9	10	0.446	0.029	10	0.583	0.033	10	329.	3.7	10
54.	8.	14.3	47.	18.1	57	-5.2	5.1	13	0.506	0.030	13	0.657	0.031	13	328.	3.0	13
53.	6.	13.3	44.	18.2	64	-5.5	5.0	16	0.570	0.033	16	0.744	0.035	16	328.	3.1	16
52.	7.	12.5	41.	18.3	70	-5.6	4.6	16	0.647	0.037	16	0.843	0.039	16	328.	2.7	16
51.	7.	11.4	39.	17.9	73	-5.2	5.0	17	0.728	0.034	17	0.947	0.041	17	330.	3.1	17
50.	7.	1[illegible].6	37.	18.0	79	-5.6	5.5	22	0.825	0.038	22	1.076	0.040	22	328.	3.5	22
49.	9.	1[illegible].9	36.	17.9	82	-4.7	5.6	30	0.939	0.041	30	1.218	0.044	30	330.	3.4	30
48.	8.	11.9	35.	18.3	85	-4.2	5.4	32	1.064	0.045	32	1.377	0.054	32	330.	3.6	32
47.	9.	11.9	32.	18.2	89	-3.8	5.8	34	1.207	0.051	34	1.560	0.064	34	329.	3.7	34
46.	10.	12.2	31.	18.8	88	-3.1	6.3	36	1.370	0.055	36	1.765	0.075	36	331.	3.8	36
45.	9.	11.9	29.	18.9	91	-3.5	6.2	38	1.549	0.060	38	2.000	0.083	38	331.	3.8	38
44.	7.	11.7	29.	18.2	91	-4.3	6.6	38	1.754	0.068	38	2.275	0.088	38	330.	4.0	38
43.	4.	10.4	26.	17.9	93	-5.8	6.0	38	1.989	0.076	38	2.594	0.097	38	328.	3.8	38
42.	5.	9.3	26.	18.1	94	-8.2	5.8	38	2.258	0.082	38	2.967	0.106	38	328.	3.6	38
41.	4.	9.1	24.	18.3	96	-12.9	5.6	37	2.567	0.089	37	3.438	0.106	37	325.	3.3	37
40.	2.	7.6	22.	17.2	93	-16.4	5.1	38	2.923	0.100	38	3.964	0.118	38	323.	3.1	38
39.	0.	7.1	21.	16.0	93	-20.1	5.4	38	3.336	0.112	38	4.590	0.152	38	319.	3.4	38
38.	-0.	6.5	20.	15.3	91	-24.0	6.0	39	3.812	0.120	39	5.331	0.194	39	318.	3.9	39
37.	-1.	6.3	19.	14.5	89	-26.7	6.0	41	4.373	0.137	40	6.184	0.212	40	316.	3.8	40
36.	-2.	6.2	19.	14.1	86	-30.4	5.4	42	5.046	0.200	41	7.208	0.235	41	314.	3.3	41
35.	-2.	6.8	17.	13.8	84	-32.2	4.7	42	5.778	0.173	41	8.348	0.251	41	313.	2.9	41
34.	-1.	5.1	18.	14.5	78	-34.6	4.3	43	6.658	0.209	42	9.745	0.301	42	311.	2.5	42
33.	3.	5.0	18.	14.9	72	-36.9	4.0	43	7.677	0.233	42	11.322	0.257	42	308.	2.6	42
32.	5.	5.8	15.	13.8	65	-37.7	4.2	43	8.855	0.277	42	13.077	0.260	42	309.	3.0	42
31.	4.	4.5	13.	11.7	65	-39.8	5.4	43	10.217	0.263	42	15.236	0.341	42	308.	3.5	42
30.	3.	4.0	10.	10.6	65	-42.2	4.7	43	11.807	0.261	42	17.828	0.391	42	306.	3.2	42
29.	2.	3.8	6.	9.4	66	-45.0	4.1	43	13.816	0.232	42	21.160	0.344	42	304.	2.8	42
28.	1.	3.1	6.	9.1	66	-47.9	3.7	43	15.870	0.263	42	24.568	0.393	42	301.	2.5	42
27.	1.	2.9	5.	8.6	62	-49.9	3.2	43	18.652	0.255	42	29.156	0.446	42	301.	2.2	42
26.	1.	3.5	2.	7.8	62	-51.7	3.1	43	21.480	0.299	42	33.806	0.641	42	300.	2.3	42
25.	1.	3.6	2.	7.2	53	-53.2	2.2	43	25.308	0.293	42	40.150	0.597	42	299.	1.6	42
24.	-3.	4.3	-0.	5.5	30	-54.9	1.8	35	29.132	0.328	35	46.473	0.651	35	298.	1.4	35
23.	-1.	1.4	-5.	2.0	3	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0

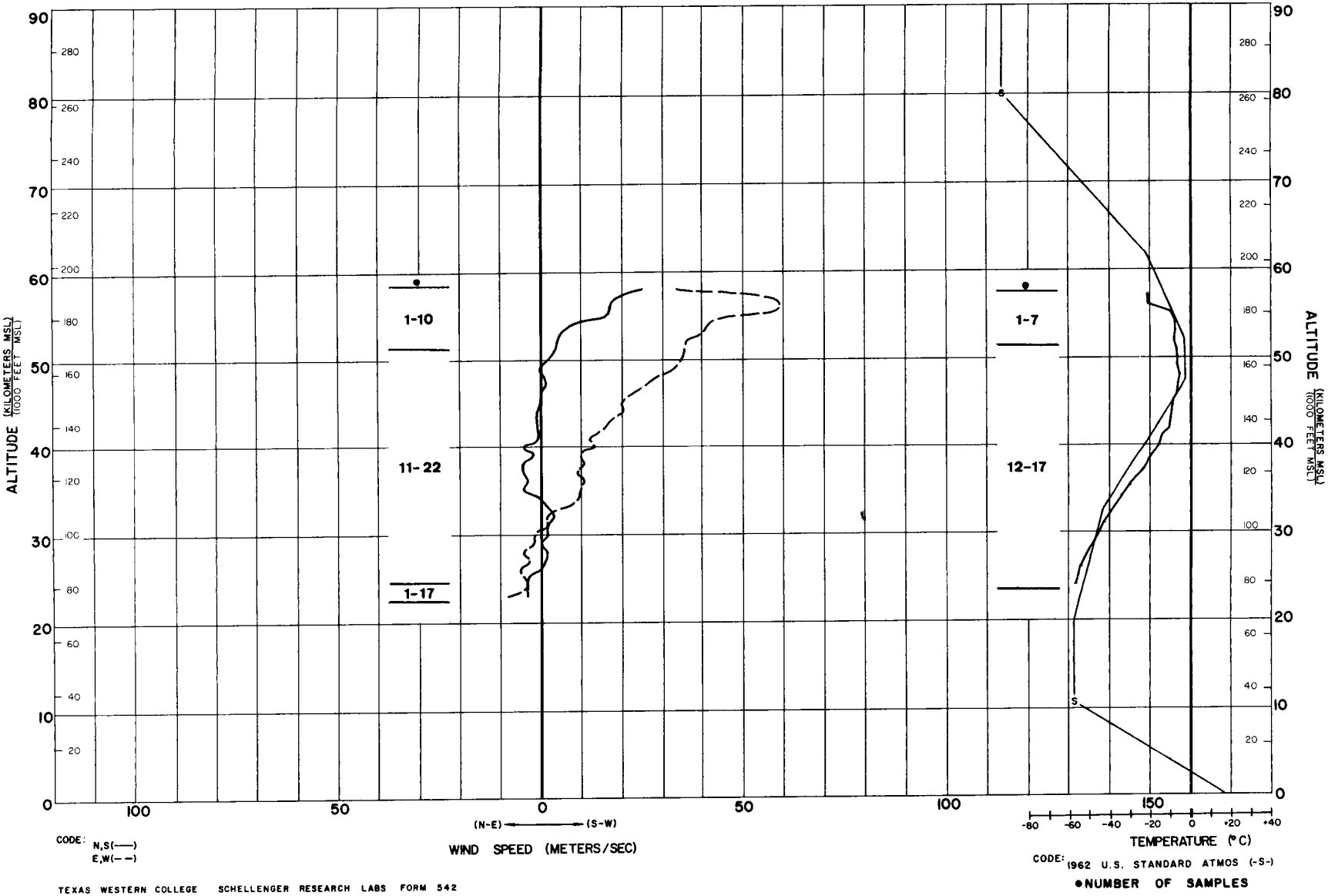


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB 1966 AT AFETR, CAPE KENNEDY AFS, FLA.

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

HT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
58.	25.	0.	33.	0.	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
57.	18.	6.2	56.	33.2	2	-21.2	0.	1	0.304	0.	1	0.420	0.	1	319.	0.	1
56.	17.	6.8	59.	28.2	4	-21.0	0.	1	0.347	0.	1	0.479	0.	1	319.	0.	1
55.	17.	8.7	53.	24.7	5	-10.2	9.0	2	0.408	0.012	2	0.540	0.004	2	327.	5.5	2
54.	8.	9.3	42.	30.6	7	-8.2	7.1	3	0.482	0.028	3	0.631	0.020	3	328.	4.3	3
53.	5.	7.7	40.	26.1	10	-8.1	6.2	4	0.556	0.031	4	0.732	0.027	4	328.	3.9	4
52.	4.	7.2	36.	23.9	10	-8.3	6.6	4	0.631	0.035	4	0.831	0.026	4	328.	3.8	4
51.	3.	5.7	36.	21.2	11	-7.3	4.5	5	0.720	0.035	5	0.944	0.032	5	327.	2.8	5
50.	2.	4.7	34.	18.5	12	-6.9	3.7	7	0.820	0.039	7	1.073	0.042	7	327.	2.5	7
49.	0.	6.0	33.	17.1	13	-6.9	4.0	12	0.932	0.035	12	1.217	0.042	12	329.	2.7	12
48.	1.	7.5	28.	17.8	15	-6.3	4.1	13	1.051	0.041	13	1.373	0.062	13	329.	2.5	13
47.	1.	7.7	25.	17.9	17	-7.2	3.8	13	1.194	0.047	13	1.564	0.065	13	327.	2.2	13
46.	-0.	8.2	22.	18.7	17	-7.3	4.4	13	1.353	0.053	13	1.775	0.077	13	327.	2.6	13
45.	0.	9.8	20.	19.0	20	-9.0	3.8	14	1.533	0.059	14	2.022	0.079	14	326.	2.6	14
44.	-1.	10.2	20.	19.9	20	-9.5	4.4	14	1.741	0.066	14	2.301	0.076	14	327.	2.8	14
43.	-1.	9.8	17.	20.3	20	-10.0	5.0	14	1.978	0.074	14	2.619	0.079	14	327.	3.1	14
42.	-1.	9.4	15.	21.3	20	-10.6	6.1	14	2.248	0.080	14	2.985	0.087	14	325.	3.9	14
41.	-1.	8.2	12.	22.1	21	-14.1	6.0	14	2.559	0.085	14	3.438	0.090	14	323.	3.7	14
40.	-4.	7.8	13.	21.3	21	-15.5	5.6	14	2.913	0.093	14	3.941	0.091	14	322.	3.7	14
39.	-2.	7.6	10.	20.0	22	-18.1	5.1	14	3.322	0.099	14	4.538	0.128	14	322.	3.1	14
38.	-4.	6.4	11.	19.5	22	-20.3	4.3	15	3.796	0.107	15	5.230	0.133	15	319.	2.8	15
37.	-4.	5.4	9.	17.5	22	-22.9	4.1	16	4.349	0.117	16	6.053	0.098	16	317.	2.8	16
36.	-3.	5.7	11.	16.1	22	-27.6	4.9	16	4.982	0.125	16	7.063	0.124	16	316.	3.2	16
35.	-4.	5.7	10.	14.6	22	-30.4	4.3	16	5.717	0.134	16	8.203	0.159	16	314.	2.8	16
34.	0.	5.5	9.	13.8	22	-34.4	3.9	17	6.572	0.142	17	9.583	0.175	17	310.	2.4	17
33.	2.	5.4	6.	11.5	22	-37.4	4.0	17	7.574	0.153	17	11.195	0.174	17	308.	2.8	17
32.	3.	5.2	2.	8.5	21	-39.7	3.4	17	8.746	0.165	17	13.043	0.196	17	308.	2.4	17
31.	2.	3.9	2.	7.8	21	-42.4	3.2	17	10.114	0.181	17	15.273	0.247	17	306.	2.1	17
30.	2.	3.1	-2.	6.7	21	-45.0	3.2	17	11.715	0.196	17	17.880	0.255	17	303.	2.2	17
29.	-0.	3.5	-2.	5.7	21	-47.4	3.2	17	13.758	0.211	17	21.275	0.236	17	303.	2.1	17
28.	2.	2.6	-4.	5.6	21	-50.1	3.4	17	15.803	0.228	17	24.667	0.267	17	301.	2.2	17
27.	1.	2.3	-3.	5.4	21	-52.0	2.6	17	18.626	0.238	17	29.389	0.330	17	300.	1.9	17
26.	0.	3.1	-5.	5.1	21	-54.2	2.3	17	21.447	0.250	17	34.110	0.425	17	297.	1.7	17
25.	-3.	3.4	-4.	4.9	21	-55.2	1.4	17	25.350	0.281	17	40.563	0.401	17	296.	0.9	17
24.	-3.	3.7	-3.	5.4	17	-56.6	0.7	14	29.212	0.279	14	46.966	0.428	14	297.	0.6	14
23.	-3.	0.	-8.	0.	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0

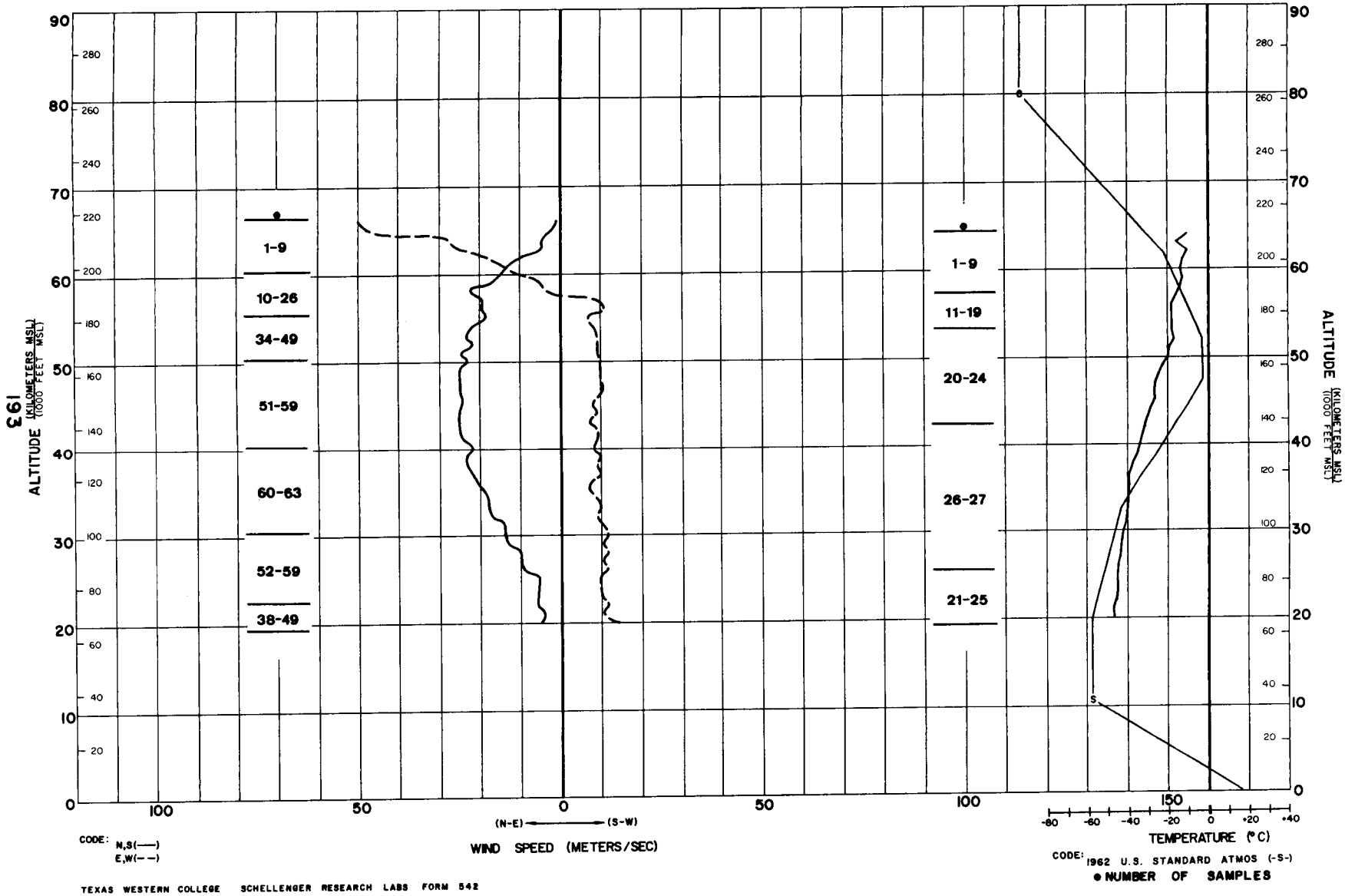


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB DATA FOR THE YEARS 1961 THRU 1966 INCLUSIVE AT FORT GREELY, ALASKA

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

HT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
66.	-1.	0.0	-50.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
65.	-2.	0.0	-48.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
64.	-4.	9.2	-28.	12.7	3	-11.2	0.0	1	0.137	0.000	1	0.184	0.000	1	325.	0.2	1
63.	-4.	8.5	-26.	10.3	3	-16.0	0.0	1	0.154	0.000	1	0.213	0.	1	323.	0.2	1
62.	-9.	11.7	-19.	15.1	7	-11.3	3.2	4	0.156	0.023	4	0.208	0.031	4	326.	1.8	4
61.	-13.	16.7	-15.	20.6	9	-13.3	3.8	6	0.180	0.022	6	0.241	0.030	6	323.	2.2	6
60.	-15.	20.9	-11.	22.0	10	-13.9	4.6	7	0.200	0.025	7	0.268	0.033	7	324.	2.8	7
59.	-17.	19.5	-5.	22.2	13	-13.0	4.4	7	0.227	0.030	7	0.305	0.038	7	323.	2.6	7
58.	-22.	21.6	-3.	25.6	14	-14.4	4.2	9	0.254	0.031	9	0.340	0.042	9	322.	2.7	9
57.	-19.	23.1	9.	31.4	19	-15.8	5.3	11	0.290	0.041	11	0.394	0.051	11	323.	3.4	11
56.	-19.	21.9	11.	31.4	26	-17.7	5.3	13	0.327	0.050	13	0.445	0.065	13	322.	3.4	13
55.	-18.	22.6	7.	36.3	34	-18.4	4.5	14	0.374	0.060	14	0.510	0.077	14	321.	3.1	14
54.	-22.	26.0	8.	35.1	42	-17.6	8.1	19	0.437	0.069	19	0.595	0.090	19	320.	5.0	19
53.	-23.	28.0	9.	34.7	46	-17.5	8.5	20	0.503	0.076	20	0.684	0.098	20	322.	5.3	20
52.	-22.	28.3	9.	33.2	47	-17.4	8.7	21	0.583	0.090	21	0.793	0.113	21	322.	5.3	21
51.	-24.	28.0	9.	31.7	49	-19.1	8.8	21	0.663	0.100	21	0.908	0.121	21	321.	5.6	21
50.	-23.	29.1	10.	30.6	51	-20.2	9.9	22	0.748	0.108	22	1.030	0.130	22	320.	6.3	22
49.	-25.	29.9	10.	29.2	52	-22.3	10.5	22	0.855	0.112	22	1.187	0.127	22	317.	6.7	22
48.	-25.	29.6	10.	27.9	53	-24.4	11.0	24	0.964	0.119	24	1.346	0.129	24	316.	7.0	24
47.	-25.	29.3	11.	26.5	56	-26.0	11.7	24	1.098	0.134	24	1.544	0.136	24	315.	7.5	24
46.	-24.	28.7	9.	25.5	56	-26.7	12.1	24	1.255	0.144	24	1.771	0.146	24	316.	7.9	24
45.	-24.	28.1	8.	25.5	56	-27.4	12.8	24	1.437	0.152	24	2.033	0.145	24	314.	8.3	24
44.	-25.	27.5	9.	25.2	56	-28.9	12.2	24	1.651	0.166	24	2.355	0.153	24	313.	7.8	24
43.	-25.	28.1	7.	24.4	59	-30.8	12.1	24	1.899	0.182	24	2.725	0.159	24	312.	7.7	24
42.	-25.	27.2	9.	23.6	59	-32.5	12.2	26	2.174	0.197	25	3.138	0.167	25	311.	7.8	25
41.	-23.	25.9	9.	22.5	59	-33.0	12.5	26	2.496	0.209	25	3.609	0.174	25	312.	8.0	25
40.	-22.	25.4	8.	20.9	60	-34.3	12.3	26	2.869	0.222	25	4.172	0.198	25	310.	8.0	25
39.	-23.	24.5	10.	20.1	60	-35.3	11.3	26	3.312	0.233	25	4.836	0.214	25	309.	7.2	25
38.	-23.	23.6	9.	20.6	61	-37.0	10.5	26	3.825	0.240	25	5.628	0.190	25	308.	6.9	25
37.	-22.	22.1	10.	21.0	62	-37.9	9.8	26	4.427	0.262	25	6.547	0.203	25	309.	6.5	25
36.	-21.	20.1	8.	21.3	63	-39.3	9.6	26	5.105	0.304	25	7.584	0.243	25	308.	6.5	25
35.	-19.	18.8	7.	20.5	63	-39.2	9.7	26	5.882	0.319	25	8.746	0.256	25	308.	6.5	25
34.	-18.	17.1	9.	20.9	63	-39.6	9.6	26	6.779	0.316	25	10.096	0.230	25	308.	6.4	25
33.	-18.	15.7	10.	21.2	62	-40.0	9.5	26	7.845	0.325	25	11.715	0.266	25	306.	6.4	25
32.	-17.	14.5	9.	20.3	62	-40.5	8.7	26	9.092	0.348	25	13.600	0.374	25	307.	5.9	25
31.	-14.	14.1	11.	19.7	60	-41.4	7.8	27	10.498	0.347	26	15.764	0.391	26	305.	5.3	26
30.	-14.	13.1	12.	19.3	59	-42.5	6.5	27	12.148	0.337	26	18.326	0.424	26	306.	4.3	26
29.	-13.	12.2	11.	19.0	59	-42.9	6.4	27	14.023	0.340	26	21.175	0.477	26	304.	4.3	26
28.	-10.	11.0	12.	17.9	57	-42.7	5.7	26	16.226	0.373	25	24.488	0.479	25	306.	3.5	25
27.	-10.	11.0	11.	17.3	57	-43.5	5.2	26	18.848	0.471	25	28.544	0.753	25	304.	3.2	25
26.	-9.	10.4	12.	15.9	56	-44.6	4.5	26	21.880	0.594	25	33.319	0.961	25	303.	3.0	25
25.	-6.	9.2	10.	14.6	55	-45.3	3.7	25	25.345	0.636	25	38.745	1.109	25	304.	2.5	25
24.	-6.	7.8	10.	13.7	53	-44.9	4.1	25	29.346	0.734	24	44.888	1.293	24	304.	2.5	24
23.	-6.	7.6	10.	13.1	52	-45.2	3.5	25	34.012	0.615	22	51.999	1.169	22	304.	2.1	22
22.	-6.	7.4	12.	12.5	49	-45.5	3.9	24	39.325	0.630	19	60.210	1.317	19	302.	2.3	19
21.	-4.	6.4	11.	12.4	43	-46.5	3.1	22	45.541	0.640	14	69.756	1.680	14	302.	2.3	14
20.	-5.	6.3	14.	12.9	38	-46.9	2.6	21	0.	0.	0	0.	0.	0	0.	0.	0

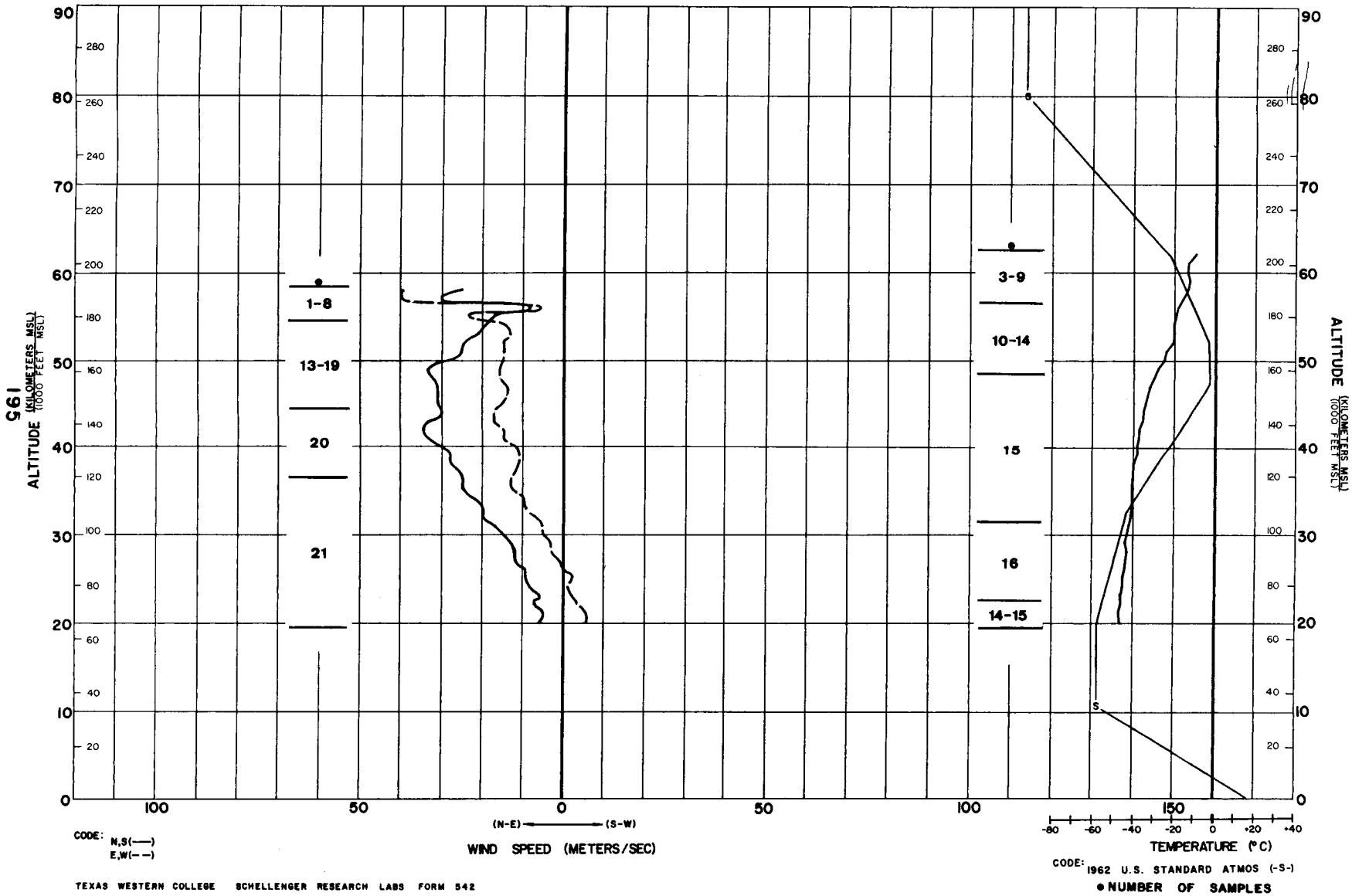


TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB 1966 AT FORT GREELY, ALASKA

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

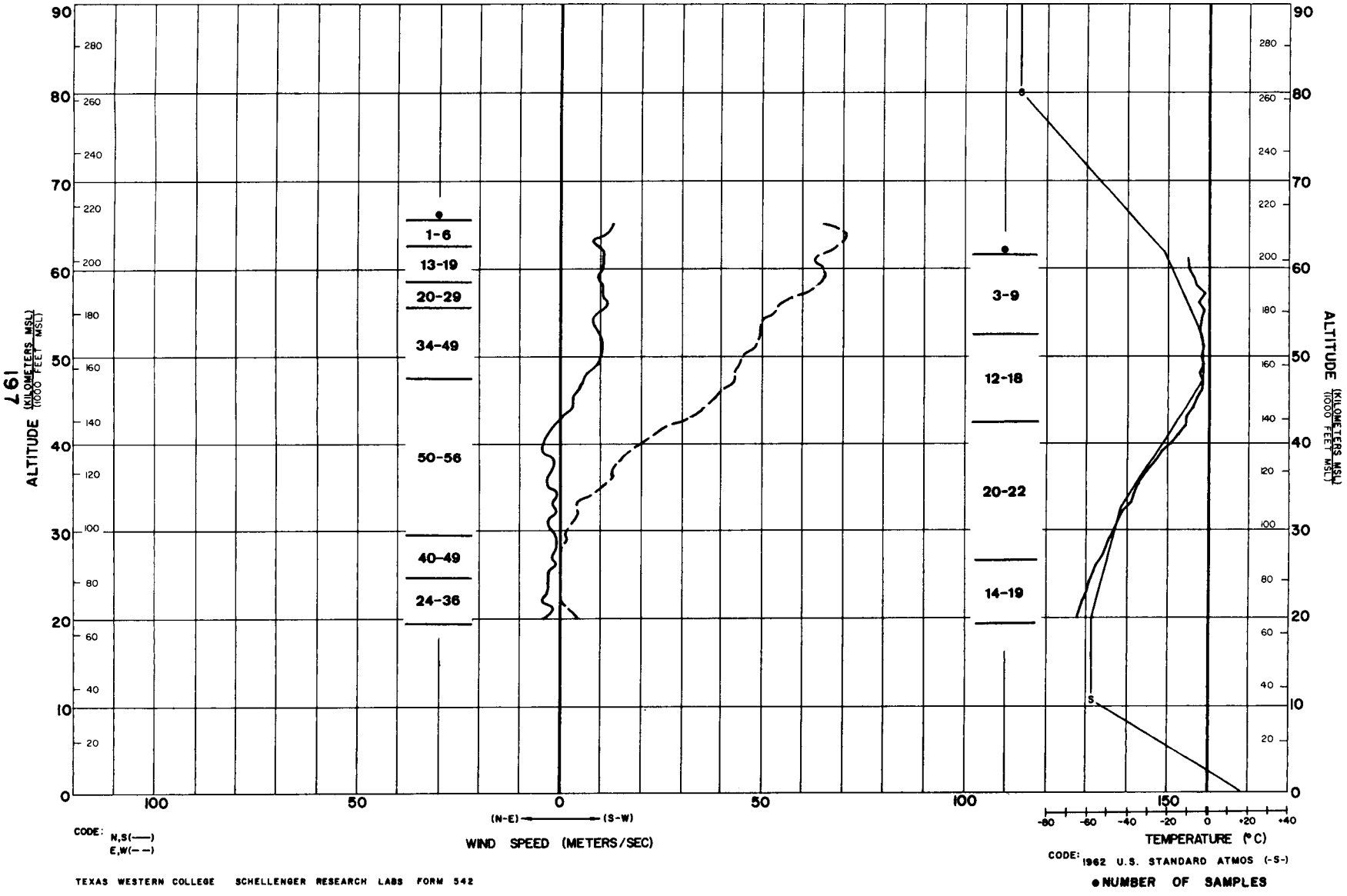
MT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
62.	0.	0.	0.	0.	0	-9.8	1.3	3	0.148	0.019	3	0.195	0.025	3	327.	0.8	3
61.	0.	0.	0.	0.	0	-13.0	4.1	5	0.176	0.022	5	0.235	0.029	5	323.	2.5	5
60.	0.	0.	0.	0.	0	-14.0	4.8	6	0.196	0.024	6	0.262	0.028	6	324.	3.0	6
59.	0.	0.	0.	0.	0	-12.9	4.9	6	0.221	0.027	6	0.295	0.032	6	323.	2.8	6
58.	-25.	0.	-39.	0.	1	-14.2	4.5	8	0.248	0.029	8	0.331	0.035	8	322.	2.8	8
57.	-30.	0.	-39.	0.	1	-16.1	5.5	9	0.278	0.032	9	0.374	0.038	9	321.	3.5	9
56.	-8.	18.5	-6.	24.2	3	-18.4	5.6	10	0.312	0.033	10	0.425	0.039	10	321.	3.8	10
55.	-17.	21.5	-23.	32.3	8	-19.3	4.7	11	0.355	0.037	11	0.486	0.043	11	319.	3.0	11
54.	-19.	26.7	-15.	31.3	13	-20.3	6.2	13	0.409	0.041	13	0.562	0.047	13	320.	4.1	13
53.	-21.	33.0	-13.	28.0	16	-20.6	6.7	13	0.467	0.044	13	0.645	0.055	13	320.	4.2	13
52.	-24.	33.7	-15.	26.7	16	-20.9	6.5	13	0.534	0.050	13	0.735	0.057	13	318.	4.2	13
51.	-25.	33.3	-15.	25.2	17	-23.5	6.3	13	0.610	0.056	13	0.848	0.063	13	318.	4.0	13
50.	-29.	35.8	-15.	24.4	17	-25.0	8.2	14	0.696	0.060	14	0.975	0.072	14	317.	5.2	14
49.	-33.	38.9	-16.	23.0	17	-27.8	8.6	14	0.801	0.064	14	1.137	0.078	14	314.	5.7	14
48.	-32.	39.2	-16.	20.9	18	-30.3	8.4	15	0.914	0.071	15	1.310	0.080	15	312.	5.6	15
47.	-31.	39.1	-14.	18.8	19	-32.1	9.2	15	1.049	0.078	15	1.514	0.076	15	311.	6.0	15
46.	-31.	38.3	-14.	17.4	19	-33.4	8.8	15	1.203	0.082	15	1.747	0.088	15	310.	5.6	15
45.	-31.	37.0	-15.	15.6	19	-34.4	9.1	15	1.389	0.087	15	2.024	0.082	15	311.	5.7	15
44.	-30.	35.9	-17.	14.1	19	-35.4	8.5	15	1.596	0.095	15	2.335	0.081	15	309.	5.5	15
43.	-33.	36.0	-17.	12.5	20	-36.4	8.4	15	1.840	0.107	15	2.706	0.089	15	308.	5.6	15
42.	-34.	34.5	-15.	11.7	20	-37.5	8.9	15	2.121	0.114	15	3.134	0.099	15	309.	5.9	15
41.	-33.	33.2	-15.	10.9	20	-37.2	9.5	15	2.447	0.125	15	3.612	0.125	15	309.	6.2	15
40.	-31.	31.8	-12.	10.5	20	-38.2	9.3	15	2.824	0.132	15	4.188	0.154	15	307.	6.1	15
39.	-28.	30.3	-11.	10.6	20	-38.1	8.8	15	3.268	0.140	15	4.844	0.167	15	307.	5.7	15
38.	-28.	28.3	-11.	10.1	20	-39.7	7.6	15	3.781	0.140	15	5.643	0.148	15	306.	5.1	15
37.	-26.	25.6	-12.	9.7	20	-39.9	6.3	15	4.396	0.165	15	6.570	0.189	15	306.	4.2	15
36.	-25.	21.7	-13.	10.4	21	-40.5	5.6	15	5.083	0.209	15	7.612	0.240	15	307.	3.8	15
35.	-25.	19.4	-13.	11.4	21	-40.3	4.9	15	5.867	0.223	15	8.779	0.260	15	307.	3.3	15
34.	-22.	17.9	-10.	11.9	21	-40.5	4.2	15	6.762	0.184	15	10.126	0.220	15	307.	2.9	15
33.	-20.	15.6	-9.	12.0	21	-40.6	5.3	15	7.819	0.175	15	11.720	0.277	15	307.	3.7	15
32.	-20.	13.9	-7.	11.6	21	-40.7	5.3	15	9.088	0.245	15	13.619	0.427	15	307.	3.5	15
31.	-17.	12.8	-5.	10.8	21	-41.7	4.9	16	10.485	0.290	16	15.793	0.416	16	306.	3.3	16
30.	-15.	11.9	-5.	11.1	21	-42.9	4.2	16	12.102	0.300	16	18.309	0.423	16	304.	2.8	16
29.	-13.	10.8	-3.	9.9	21	-43.5	4.0	16	13.954	0.272	16	21.160	0.377	16	305.	2.5	16
28.	-12.	9.2	-3.	10.3	21	-43.2	3.8	16	16.193	0.306	16	24.519	0.468	16	304.	2.6	16
27.	-12.	9.4	-1.	10.4	21	-43.5	3.8	16	18.846	0.435	16	28.586	0.815	16	305.	2.7	16
26.	-9.	7.6	0.	10.3	21	-44.0	3.4	16	21.900	0.599	16	33.300	1.118	16	305.	2.3	16
25.	-9.	5.8	2.	9.8	21	-45.3	3.1	16	25.387	0.671	16	38.816	1.269	16	304.	2.0	16
24.	-8.	5.6	1.	9.2	21	-45.0	3.4	16	29.402	0.715	15	45.066	1.353	15	302.	1.5	15
23.	-6.	5.0	2.	9.0	21	-45.8	2.9	16	34.001	0.608	15	52.225	1.147	15	303.	1.3	15
22.	-7.	4.5	3.	8.5	21	-46.0	3.5	15	39.279	0.602	13	60.415	1.164	13	303.	1.5	13
21.	-5.	5.0	6.	8.6	21	-47.1	1.9	14	45.634	0.456	10	70.129	1.118	10	303.	1.4	10
20.	-6.	5.0	6.	8.2	21	-47.1	2.1	14	0.	0.	0	0.	0.	0	0.	0.	0


1961
ALTITUDE (KILOMETERS MSL) (1000 FEET MSL)
90
80
70
60
50
40
30
20
10
0
280
260
240
220
200
180
160
140
120
100
80
60
40
20
1-8
13-19
20
21
3-9
10-14
15
16
14-15
100
50
0
50
100
150
(N-E) ← → (S-W)
WIND SPEED (METERS/SEC)
-80 -60 -40 -20 0 +20 +40
TEMPERATURE (°C)
S
S
CODE: N,S(——) E,W(– –)
CODE: 1962 U.S. STANDARD ATMOS (-S-)
● NUMBER OF SAMPLES
TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB DATA FOR THE YEARS 1961 THRU 1966 INCLUSIVE AT PMR, POINT MUGU, CALIF.

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

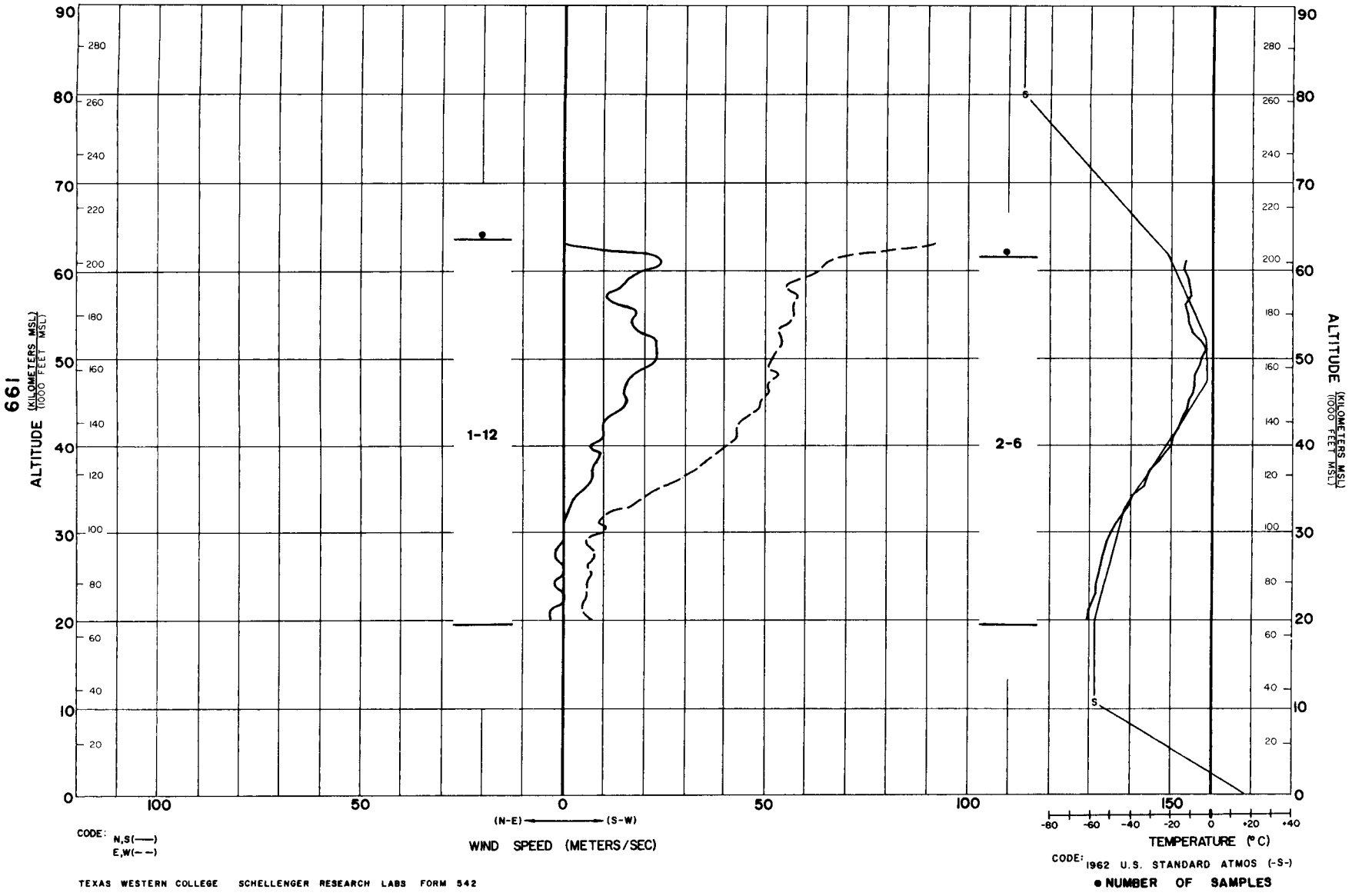
HT	-N+S			-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
65.	13.	0.0	1	65.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
64.	12.	3.1	3	71.	14.6	3	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
63.	8.	5.5	6	70.	17.8	6	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
62.	11.	12.6	13	67.	18.4	13	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
61.	11.	13.3	14	63.	19.6	14	-10.1	9.6	3	0.196	0.020	3	0.260	0.014	3	326.	6.4	3
60.	11.	13.8	19	65.	22.1	19	-10.0	9.3	4	0.216	0.027	4	0.288	0.020	4	326.	6.2	4
59.	9.	12.7	19	65.	23.2	19	-8.0	8.3	4	0.245	0.026	4	0.324	0.020	4	326.	5.4	4
58.	11.	11.7	20	63.	22.5	20	-6.6	7.8	4	0.279	0.028	4	0.368	0.020	4	327.	4.7	4
57.	11.	13.2	26	59.	21.2	26	-1.5	10.2	5	0.313	0.027	4	0.410	0.024	4	329.	4.7	4
56.	12.	15.2	29	54.	24.7	29	-4.9	10.5	6	0.361	0.028	4	0.473	0.026	4	328.	4.9	4
55.	10.	14.7	34	53.	23.5	34	-2.0	13.9	9	0.405	0.029	7	0.528	0.035	7	329.	8.5	7
54.	8.	14.3	37	50.	27.6	37	-3.2	11.3	9	0.460	0.033	7	0.600	0.039	7	328.	6.3	7
53.	9.	14.6	40	49.	27.4	40	-4.2	8.8	9	0.517	0.036	7	0.680	0.043	7	329.	4.4	7
52.	10.	16.7	43	49.	27.4	43	-3.9	7.6	12	0.581	0.036	9	0.761	0.047	9	329.	3.9	9
51.	11.	16.7	44	48.	27.2	44	-2.3	8.5	14	0.654	0.036	10	0.852	0.054	10	330.	4.4	10
50.	10.	17.0	47	45.	27.2	47	-3.9	7.2	15	0.719	0.105	11	0.976	0.061	11	329.	3.4	11
49.	9.	16.0	49	44.	28.1	49	-3.7	7.4	16	0.828	0.130	12	1.118	0.070	12	329.	3.7	12
48.	7.	15.1	49	43.	29.3	49	-4.4	7.6	17	0.977	0.061	13	1.277	0.073	13	327.	3.5	13
47.	6.	14.2	50	43.	31.0	50	-3.4	7.9	18	1.122	0.078	14	1.456	0.079	14	330.	4.1	14
46.	4.	15.5	53	40.	30.7	53	-3.6	8.1	18	1.278	0.085	14	1.656	0.092	14	330.	4.8	14
45.	3.	15.4	54	38.	29.9	54	-6.3	7.8	18	1.454	0.098	14	1.904	0.109	14	327.	4.5	14
44.	3.	14.1	56	35.	28.7	56	-8.1	7.3	18	1.651	0.109	14	2.171	0.123	14	326.	4.2	14
43.	0.	13.2	56	32.	27.6	56	-10.7	7.2	18	1.869	0.113	14	2.484	0.116	14	326.	4.5	14
42.	-2.	12.1	56	26.	27.3	56	-11.3	8.6	20	2.136	0.117	15	2.860	0.121	15	323.	5.0	15
41.	-3.	11.0	55	23.	26.3	55	-14.6	8.4	21	2.429	0.128	15	3.295	0.126	15	321.	5.5	15
40.	-4.	10.1	56	20.	24.9	56	-18.6	7.8	21	2.786	0.136	15	3.823	0.154	15	319.	5.4	15
39.	-4.	10.3	56	17.	23.2	56	-22.2	7.5	21	3.187	0.145	15	4.423	0.176	15	319.	5.3	15
38.	-2.	10.0	56	15.	21.6	56	-26.3	7.5	21	3.649	0.151	15	5.134	0.169	15	317.	5.0	15
37.	-2.	9.2	56	13.	20.2	56	-29.5	7.9	21	4.157	0.182	15	5.951	0.199	15	313.	5.4	15
36.	-3.	8.1	56	13.	18.5	56	-32.1	7.3	21	4.762	0.261	15	6.941	0.282	15	313.	5.3	15
35.	-3.	7.3	56	11.	16.5	56	-34.3	6.5	21	5.514	0.213	15	8.080	0.312	15	310.	4.1	15
34.	-1.	5.8	55	8.	14.7	55	-37.0	6.0	21	6.374	0.215	15	9.435	0.338	15	308.	3.5	15
33.	-2.	5.6	55	4.	12.7	55	-38.7	5.3	21	7.373	0.232	15	10.959	0.369	15	308.	3.1	15
32.	-1.	4.9	55	4.	11.1	55	-42.1	4.3	21	8.539	0.269	15	12.886	0.296	15	304.	2.0	15
31.	-3.	5.2	54	3.	10.9	54	-44.3	4.9	21	9.910	0.264	15	15.095	0.373	15	303.	3.0	15
30.	-2.	3.9	52	2.	10.7	52	-47.7	4.4	22	11.504	0.301	14	17.828	0.329	14	302.	2.5	14
29.	-1.	3.3	49	2.	9.5	49	-49.2	4.2	22	13.405	0.298	14	20.882	0.459	14	301.	3.0	14
28.	-1.	3.2	49	0.	9.7	49	-50.8	4.1	21	15.627	0.326	14	24.499	0.464	14	300.	2.7	14
27.	-2.	3.5	45	-0.	9.5	45	-52.7	3.5	21	18.214	0.368	13	28.754	0.507	13	299.	2.4	13
26.	-1.	3.5	43	-0.	9.0	43	-55.6	2.8	19	21.113	0.330	11	33.726	0.611	11	297.	1.2	11
25.	-3.	2.4	40	-0.	7.6	40	-57.0	3.1	18	24.675	0.331	10	39.556	0.591	10	295.	1.3	10
24.	-3.	2.3	36	-0.	7.4	36	-58.7	3.1	18	28.882	0.373	10	46.670	0.707	10	294.	1.3	10
23.	-3.	2.6	30	0.	6.5	30	-59.8	4.0	18	33.892	0.575	10	55.067	1.299	10	293.	2.5	10
22.	-4.	2.8	28	0.	5.2	28	-61.4	4.5	17	39.699	0.494	8	64.492	0.956	8	293.	2.0	8
21.	-2.	2.9	25	2.	4.9	25	-62.7	4.5	15	46.265	0.575	7	75.726	0.938	7	293.	2.2	7
20.	-4.	3.4	24	4.	6.1	24	-63.5	4.2	14	54.228	0.642	5	89.538	1.178	5	292.	1.5	5


197
ALTITUDE (KILOMETERS MSL) (1000 FEET MSL)
90
280
80
260
240
70
220
200
60
180
50
160
140
40
120
30
100
80
20
60
40
10
20
0
1-6
13-19
20-29
34-49
50-56
40-49
24-36
3-9
12-18
20-22
14-19
100
50
0
50
100
150
(N-E)
(S-W)
WIND SPEED (METERS/SEC)
-80
-60
-40
-20
0
+20
+40
TEMPERATURE (°C)
CODE: N,S(——)
E,W(– –)
CODE: 1962 U.S. STANDARD ATMOS (-S-)
● NUMBER OF SAMPLES
TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB 1966 AT PMR, POINT MUGU, CALIF.

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

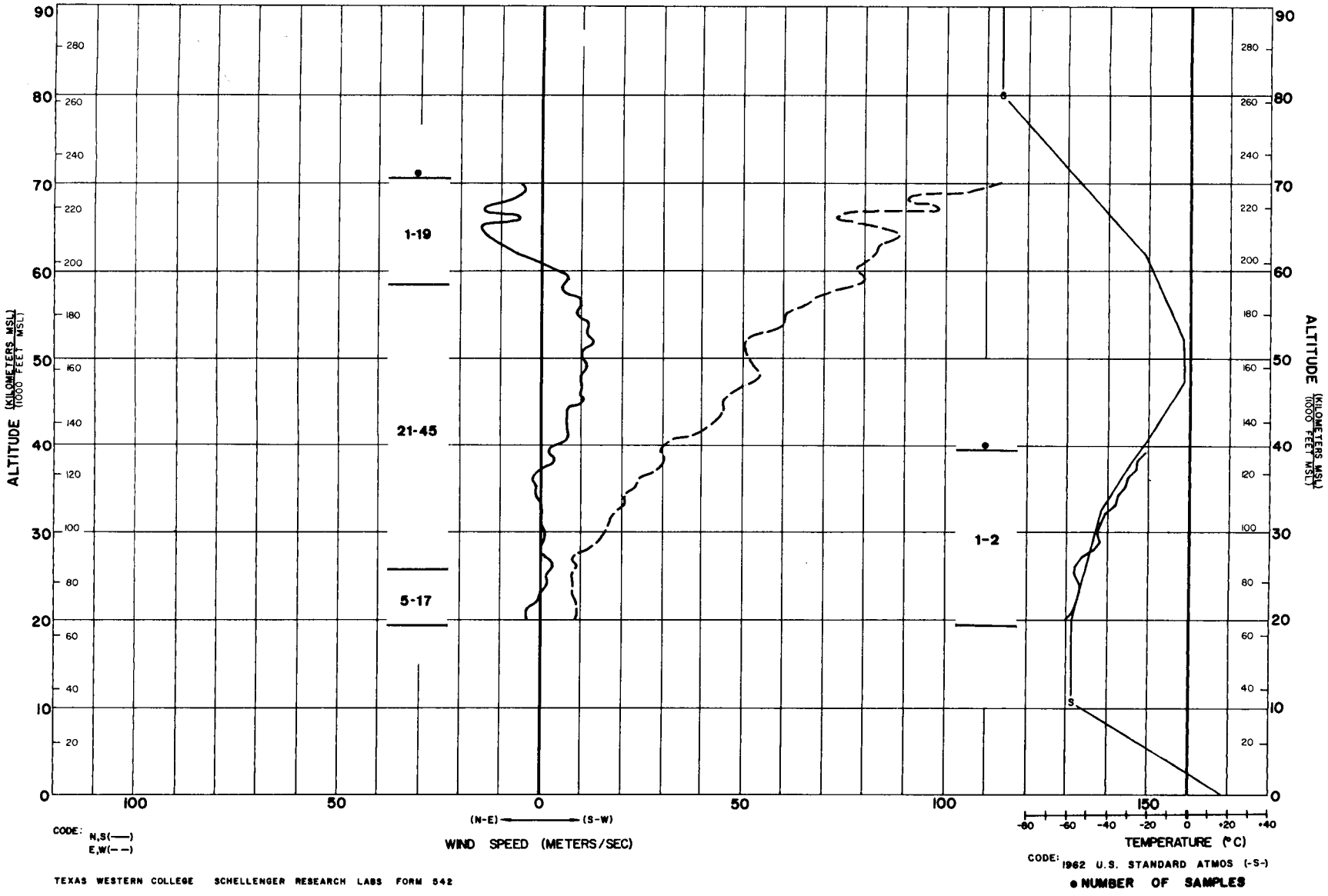
HT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
63.	0.	0.	92.	0.	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
62.	17.	9.7	76.	13.1	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
61.	24.	5.3	66.	15.2	3	-12.8	10.6	2	0.185	0.017	2	0.250	0.008	2	323.	7.0	2
60.	19.	12.6	63.	13.1	4	-14.2	11.0	2	0.210	0.018	2	0.286	0.006	2	322.	7.2	2
59.	16.	11.1	58.	14.6	4	-12.4	8.8	2	0.239	0.020	2	0.325	0.008	2	323.	5.5	2
58.	14.	10.7	55.	12.5	4	-11.7	5.9	2	0.275	0.019	2	0.371	0.014	2	324.	3.6	2
57.	11.	13.7	58.	11.0	6	-10.9	2.9	2	0.310	0.020	2	0.416	0.019	2	326.	1.6	2
56.	16.	20.2	57.	13.2	6	-14.0	3.4	2	0.360	0.023	2	0.485	0.021	2	324.	2.4	2
55.	18.	17.8	57.	14.1	6	-13.2	2.3	3	0.402	0.033	3	0.541	0.035	3	323.	1.6	3
54.	17.	16.0	56.	15.8	6	-11.8	2.9	3	0.458	0.039	3	0.614	0.040	3	324.	1.9	3
53.	19.	18.7	53.	18.0	8	-10.3	4.5	3	0.516	0.043	3	0.691	0.045	3	326.	3.0	3
52.	23.	21.2	54.	16.8	10	-6.6	7.1	4	0.573	0.039	4	0.752	0.057	4	328.	4.1	4
51.	23.	20.3	53.	16.9	10	-3.8	8.4	5	0.643	0.035	5	0.836	0.057	5	330.	5.1	5
50.	23.	18.9	52.	18.3	10	-6.5	6.8	6	0.686	0.126	6	0.965	0.064	6	327.	4.1	6
49.	21.	17.1	51.	21.9	11	-7.4	6.3	6	0.777	0.158	6	1.104	0.076	6	326.	3.7	6
48.	17.	17.6	53.	24.8	11	-9.2	5.3	6	0.951	0.053	6	1.258	0.077	6	327.	3.4	6
47.	16.	17.3	51.	26.0	11	-9.2	4.6	6	1.081	0.060	6	1.431	0.078	6	327.	2.9	6
46.	15.	16.1	51.	24.0	12	-10.0	5.1	6	1.232	0.063	6	1.636	0.079	6	325.	3.1	6
45.	16.	16.2	49.	23.9	12	-11.9	4.6	6	1.406	0.074	6	1.880	0.084	6	325.	2.8	6
44.	14.	15.2	48.	23.9	12	-12.9	4.1	6	1.600	0.079	6	2.146	0.082	6	323.	2.5	6
43.	11.	12.7	45.	23.6	12	-15.4	5.8	6	1.818	0.086	6	2.458	0.069	6	323.	3.8	6
42.	10.	11.0	43.	22.8	12	-17.4	7.0	6	2.084	0.092	6	2.841	0.049	6	320.	4.6	6
41.	10.	9.9	43.	22.0	12	-19.0	8.6	6	2.371	0.089	6	3.251	0.017	6	319.	5.6	6
40.	7.	8.9	41.	21.5	12	-20.4	8.1	6	2.717	0.089	6	3.750	0.048	6	318.	5.2	6
39.	9.	8.1	38.	19.8	12	-22.9	7.5	6	3.102	0.089	6	4.322	0.043	6	318.	4.8	6
38.	8.	7.1	35.	19.3	12	-26.7	6.9	6	3.572	0.096	6	5.061	0.070	6	314.	4.4	6
37.	7.	6.6	32.	18.7	12	-31.5	7.5	6	4.088	0.089	6	5.905	0.161	6	311.	4.7	6
36.	7.	7.2	29.	17.6	12	-33.2	8.2	6	4.716	0.094	6	6.860	0.247	6	310.	5.5	6
35.	6.	5.8	25.	15.5	12	-34.1	6.0	6	5.434	0.092	6	7.932	0.232	6	311.	3.8	6
34.	3.	5.0	20.	14.5	12	-38.7	4.9	6	6.273	0.110	6	9.329	0.277	6	308.	3.1	6
33.	2.	5.0	17.	11.5	12	-40.9	2.9	6	7.262	0.123	6	10.909	0.244	6	305.	1.9	6
32.	1.	5.3	11.	9.6	12	-43.6	1.4	6	8.426	0.133	6	12.798	0.233	6	305.	1.2	6
31.	0.	4.8	9.	9.3	12	-47.1	2.3	6	9.844	0.160	6	15.200	0.358	6	301.	1.7	6
30.	-0.	4.1	10.	9.5	12	-49.9	2.8	6	11.421	0.197	6	17.843	0.289	6	299.	2.0	6
29.	-0.	3.4	6.	8.9	11	-52.0	3.6	6	13.293	0.164	6	20.947	0.470	6	299.	2.4	6
28.	-2.	2.9	7.	8.8	11	-53.1	2.2	6	15.516	0.194	6	24.574	0.393	6	297.	1.7	6
27.	-2.	3.2	7.	8.4	10	-54.2	1.9	5	18.132	0.287	5	28.876	0.521	5	296.	1.6	5
26.	0.	2.8	6.	7.5	9	-55.1	2.2	5	21.220	0.309	5	33.944	0.609	5	297.	1.5	5
25.	0.	1.9	7.	6.7	8	-56.4	2.6	4	24.705	0.394	4	39.725	0.648	4	296.	1.9	4
24.	-2.	1.0	6.	6.6	7	-57.0	2.3	4	28.965	0.397	4	46.707	0.806	4	294.	1.5	4
23.	-0.	1.0	6.	6.3	7	-57.4	2.2	4	34.000	0.423	4	54.904	0.634	4	294.	1.7	4
22.	-0.	2.1	5.	5.5	7	-58.5	3.5	4	39.909	0.117	3	64.518	0.927	3	294.	2.7	3
21.	-3.	2.9	5.	4.5	7	-60.4	4.0	4	46.523	0.449	3	75.835	1.275	3	294.	2.9	3
20.	-3.	2.5	7.	4.8	7	-61.1	4.7	3	55.034	0.	1	91.874	0.	1	289.	0.	1


661
ALTITUDE (KILOMETERS MSL) (1000 FEET MSL)
90
80
70
60
50
40
30
20
10
0
280
260
240
220
200
180
160
140
120
100
80
60
40
20
1-12
2-6
100
50
0
50
100
150
(N-E)
(S-W)
WIND SPEED (METERS/SEC)
-80
-60
-40
-20
0
+20
+40
TEMPERATURE (°C)
CODE: N,S(——)
E,W(– –)
CODE: 1962 U.S. STANDARD ATMOS (-S-)
● NUMBER OF SAMPLES
TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB DATA FOR THE YEARS 1961 THRU 1966 INCLUSIVE AT WALLOPS ISLAND, VIRGINIA

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

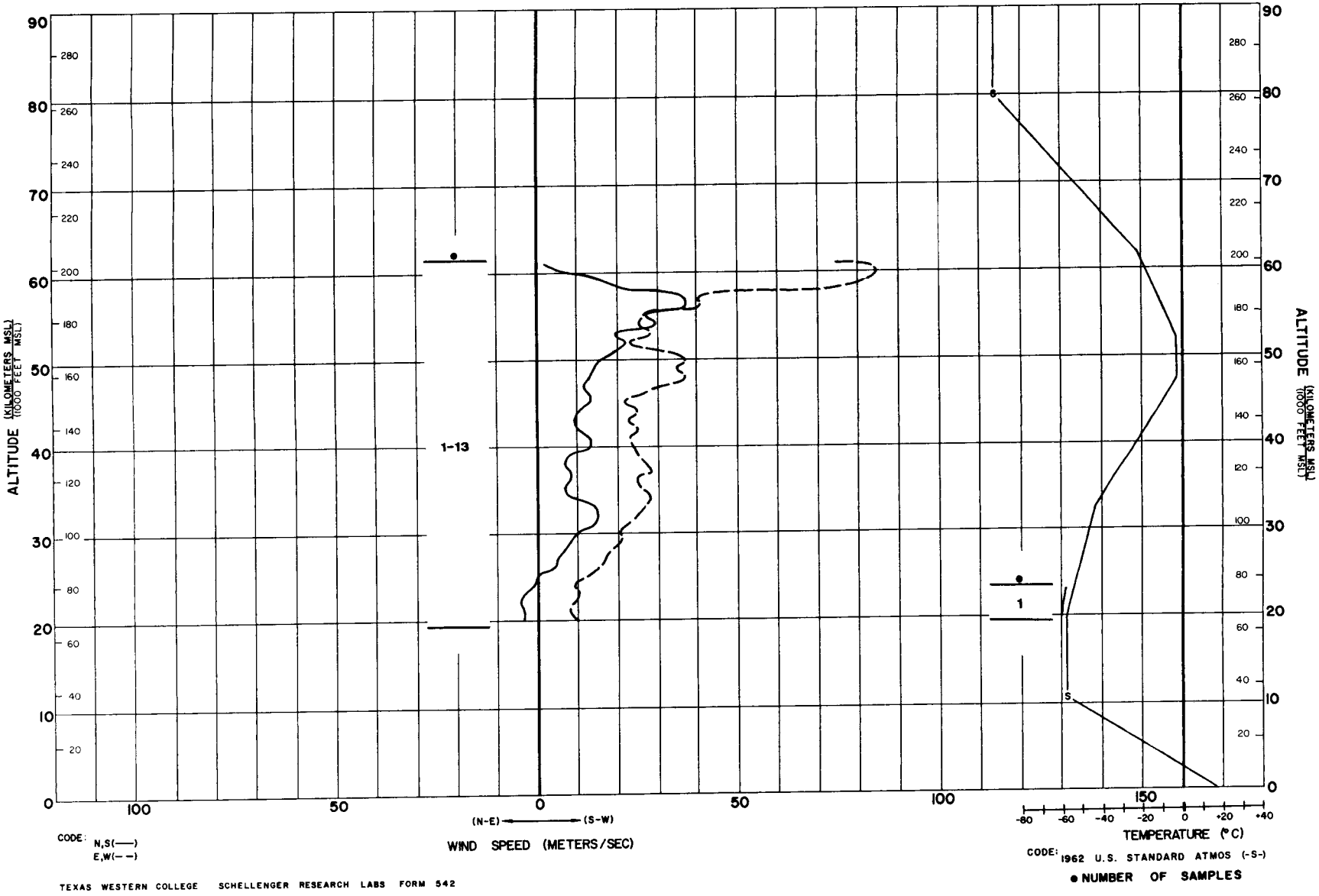
HT	-N+S			-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
70.	-5.	0.0	1	113.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
69.	-4.	0.0	1	105.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
68.	-8.	4.0	2	91.	8.0	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
67.	-14.	11.1	3	98.	9.7	3	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
66.	-6.	7.6	5	73.	32.8	5	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
65.	-15.	17.0	8	82.	27.8	8	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
64.	-13.	16.9	9	88.	29.0	9	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
63.	-10.	16.7	11	84.	25.4	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
62.	-6.	14.1	13	83.	22.0	13	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
61.	-1.	12.8	18	80.	27.1	18	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
60.	4.	12.5	18	78.	27.3	18	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
59.	7.	10.8	19	80.	28.4	19	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
58.	5.	20.4	23	74.	27.7	23	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
57.	9.	21.6	24	68.	30.2	24	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
56.	10.	20.4	26	65.	30.6	26	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
55.	9.	20.9	28	61.	33.2	28	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
54.	12.	20.2	28	60.	33.5	28	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
53.	12.	19.9	29	56.	34.1	29	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
52.	13.	19.1	32	51.	34.2	32	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
51.	11.	17.9	36	51.	33.1	36	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
50.	11.	16.8	37	52.	32.9	37	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
49.	12.	15.9	38	53.	34.0	38	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
48.	10.	16.1	41	54.	35.6	41	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
47.	10.	16.0	43	51.	36.0	43	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
46.	10.	16.0	43	47.	35.7	43	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
45.	11.	15.7	41	45.	36.0	41	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
44.	7.	15.2	42	45.	35.0	42	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
43.	7.	14.4	42	43.	34.2	42	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
42.	7.	13.1	45	41.	31.6	45	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
41.	7.	12.1	42	35.	31.2	42	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
40.	4.	11.4	41	31.	30.6	41	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
39.	2.	10.9	42	29.	28.3	42	-21.0	0.0	1	3.227	0.000	1	4.462	0.002	1	320.	0.2	1
38.	3.	9.9	40	30.	24.6	40	-26.3	0.0	1	3.692	0.000	1	5.215	0.	1	315.	0.0	1
37.	0.	10.1	39	28.	22.8	39	-26.5	0.	1	4.237	0.002	1	5.986	0.001	1	315.	0.	1
36.	-2.	10.2	37	24.	21.2	37	-30.5	0.0	1	4.883	0.002	1	7.010	0.002	1	312.	0.	1
35.	-1.	11.2	37	23.	19.3	37	-32.2	0.0	1	5.605	0.002	1	8.109	0.	1	312.	0.0	1
34.	-1.	11.7	37	21.	18.0	37	-35.0	0.0	1	6.469	0.	1	9.459	0.	1	309.	0.	1
33.	-0.	11.1	36	21.	16.8	36	-36.9	0.0	1	7.440	0.002	1	10.967	0.	1	308.	0.0	1
32.	0.	10.3	37	18.	15.6	37	-41.2	0.0	1	8.607	0.001	1	12.927	0.003	1	307.	0.0	1
31.	0.	9.7	33	17.	14.1	33	-44.0	0.	1	9.941	0.002	1	15.117	0.004	1	303.	0.0	1
30.	1.	7.6	32	16.	13.0	32	-45.0	0.0	1	11.549	0.001	1	17.619	0.007	1	303.	0.	1
29.	1.	6.2	30	14.	10.7	30	-44.3	0.	1	13.428	0.001	1	20.461	0.003	1	303.	0.0	1
28.	0.	5.2	28	12.	8.1	28	-46.8	0.	1	15.590	0.002	1	24.018	0.007	1	303.	0.	1
27.	1.	5.2	22	8.	6.2	22	-52.8	0.0	1	18.046	0.006	1	28.533	0.004	1	299.	0.0	1
26.	3.	4.3	21	9.	5.7	21	-55.6	0.0	1	21.110	0.	1	33.800	0.007	1	295.	0.	1
25.	2.	3.3	17	8.	4.7	17	-55.9	0.0	1	24.726	0.	1	39.671	0.007	1	295.	0.	1
24.	2.	3.9	15	8.	5.0	15	-54.2	0.	1	28.784	0.007	1	45.792	0.	1	298.	0.0	1
23.	-0.	3.8	14	8.	4.6	14	-54.3	3.8	2	34.096	0.327	2	54.305	1.430	2	298.	2.5	2
22.	-1.	4.2	11	9.	4.1	11	-54.7	3.9	2	39.858	0.451	2	63.566	1.852	2	298.	2.5	2
21.	-3.	2.6	7	9.	3.1	7	-56.7	2.6	2	46.410	0.814	2	74.757	2.135	2	296.	1.7	2
20.	-3.	1.5	5	9.	3.4	5	-60.0	0.	1	0.	0.	-0	0.	0.	-0	0.	0.	-0


ALTITUDE (KILOMETERS MSL) (1000 FEET MSL)
1-19
21-45
5-17
1-2
(N-E) (S-W)
WIND SPEED (METERS/SEC)
CODE: N,S(——) E,W(— —)
TEMPERATURE (°C)
CODE: 1962 U.S. STANDARD ATMOS (-S-)
● NUMBER OF SAMPLES
TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB 1966 AT WALLOPS ISLAND, VIRGINIA

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

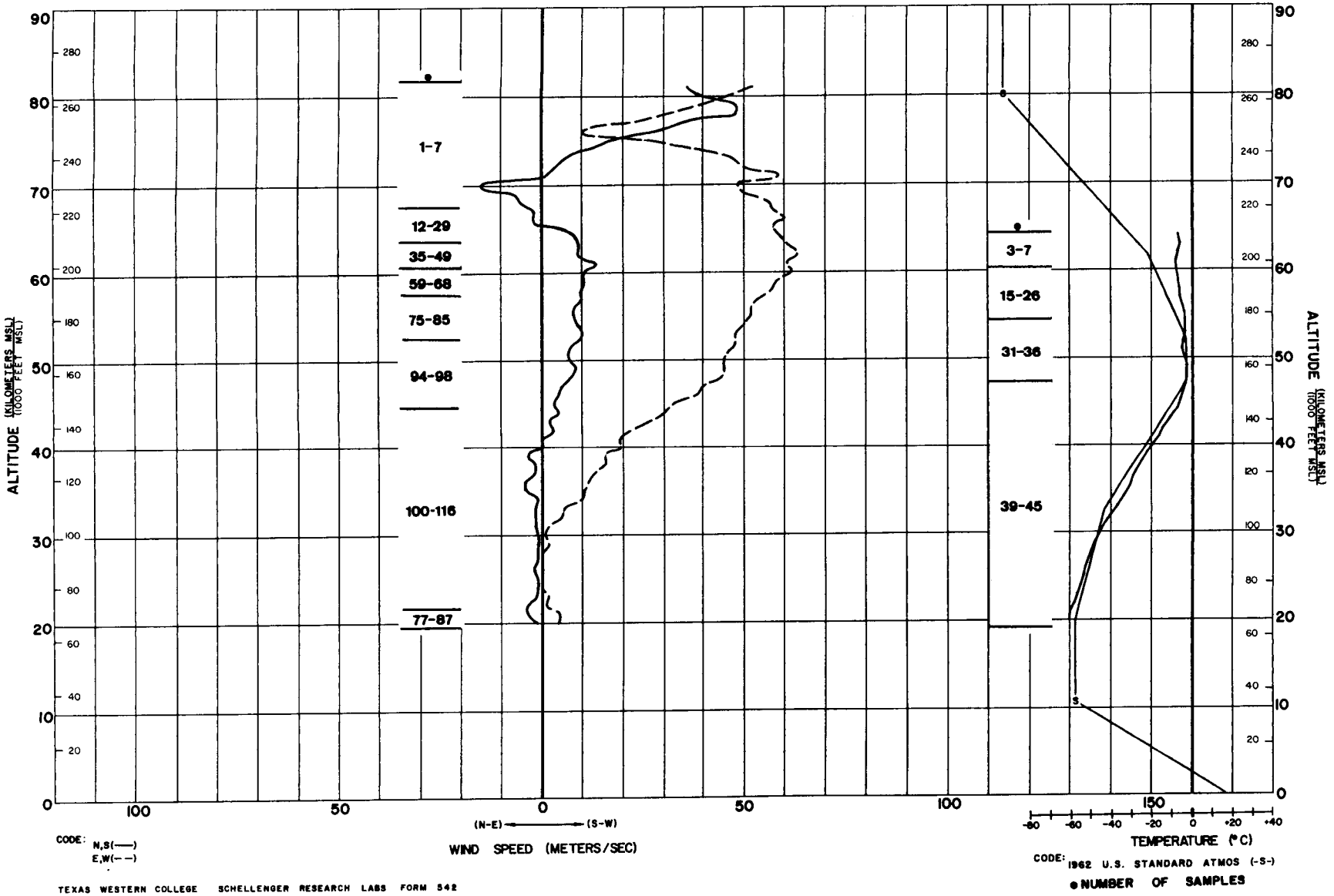
HT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
61.	2.	0.	74.	0.	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
60.	8.	0.	84.	0.	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
59.	17.	0.	82.	0.	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
58.	23.	0.	72.	0.	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
57.	37.	17.5	41.	33.6	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
56.	37.	17.5	41.	32.1	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
55.	27.	20.0	27.	32.8	3	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
54.	29.	18.8	26.	29.3	3	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
53.	19.	17.7	28.	27.1	5	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
52.	22.	16.9	23.	28.0	6	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
51.	19.	14.3	30.	28.4	9	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
50.	16.	11.1	37.	31.1	10	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
49.	14.	10.3	35.	30.9	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
48.	13.	11.3	37.	31.1	12	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
47.	12.	12.7	31.	32.5	13	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
46.	13.	11.8	26.	31.0	13	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
45.	13.	12.4	22.	30.7	12	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
44.	11.	12.4	25.	28.8	12	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
43.	9.	12.5	23.	27.8	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
42.	11.	11.9	25.	25.7	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
41.	13.	10.2	23.	24.3	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
40.	13.	9.8	24.	22.0	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
39.	8.	9.5	25.	19.4	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
38.	7.	8.8	27.	16.6	12	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
37.	8.	8.4	28.	15.7	11	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
36.	8.	4.9	25.	15.5	9	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
35.	7.	5.5	26.	16.3	9	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
34.	9.	7.1	28.	17.0	9	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
33.	14.	7.2	27.	18.1	8	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
32.	15.	7.9	25.	17.3	8	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
31.	14.	7.1	23.	16.3	8	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
30.	10.	4.3	21.	15.4	8	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
29.	8.	2.8	21.	12.5	7	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
28.	7.	1.4	18.	7.8	6	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
27.	5.	2.5	17.	2.3	5	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
26.	4.	2.3	16.	2.1	5	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
25.	0.	1.1	13.	2.9	4	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
24.	-1.	2.3	9.	3.5	4	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
23.	-3.	2.6	10.	2.7	4	-58.1	0.	1	34.423	0.	1	55.735	0.	1	294.	0.	1
22.	-4.	1.2	9.	2.8	3	-58.6	0.	1	40.309	0.	1	65.418	0.	1	294.	0.	1
21.	-3.	0.6	8.	3.4	3	-59.3	0.	1	47.224	0.	1	76.892	0.	1	293.	0.	1
20.	-3.	0.	10.	3.0	2	-60.0	0.	1	0.	0.	0	0.	0.	0	0.	0.	0


ALTITUDE (KILOMETERS MSL) (1000 FEET MSL)
1-13
1
(N-E) (S-W)
WIND SPEED (METERS/SEC)
TEMPERATURE (°C)
CODE: N,S(——) E,W(– –)
CODE: 1962 U.S. STANDARD ATMOS (-S-)
● NUMBER OF SAMPLES
TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB DATA FOR THE YEARS 1961 THRU 1966 INCLUSIVE AT WSMR, NEW MEXICO

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

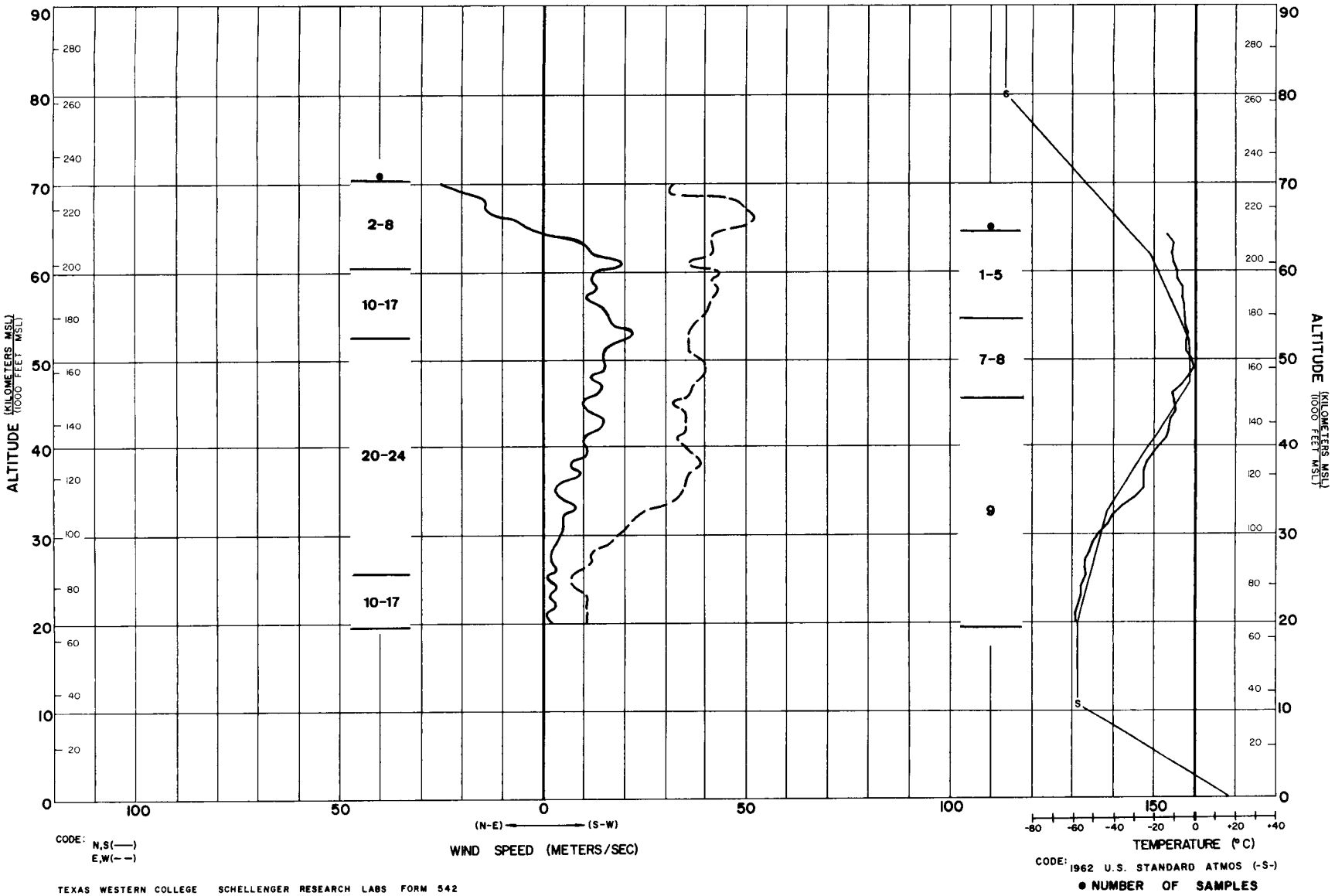
HT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
81.	36.	0.0	52.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
80.	41.	0.0	45.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
79.	48.	0.0	39.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
78.	48.	0.0	31.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
77.	34.	0.	21.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
76.	28.	0.0	10.	0.0	1	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
75.	17.	9.8	26.	20.5	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
74.	10.	5.6	39.	26.1	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
73.	6.	1.0	47.	27.3	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
72.	3.	6.0	50.	24.4	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
71.	1.	12.0	58.	17.8	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
70.	-15.	16.0	48.	22.4	4	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
69.	-7.	13.0	50.	18.3	5	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
68.	-5.	14.8	56.	22.2	7	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
67.	-2.	15.0	57.	28.5	12	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
66.	-2.	14.2	60.	24.9	15	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
65.	4.	22.5	57.	23.6	23	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
64.	8.	20.1	59.	24.3	29	-7.3	9.4	3	0.149	0.016	3	0.195	0.017	3	327.	5.6	3
63.	9.	20.7	61.	25.1	35	-6.2	8.2	3	0.178	0.026	3	0.232	0.029	3	329.	4.8	3
62.	9.	18.5	63.	26.5	45	-7.6	7.8	4	0.200	0.034	4	0.264	0.040	4	328.	5.0	4
61.	13.	16.7	61.	27.0	49	-8.8	9.8	7	0.216	0.039	7	0.284	0.045	7	326.	6.1	7
60.	11.	15.0	62.	27.7	59	-7.7	8.3	15	0.243	0.037	15	0.317	0.042	15	328.	5.4	15
59.	11.	14.0	58.	25.9	63	-6.9	7.9	19	0.277	0.041	19	0.360	0.049	19	327.	5.1	19
58.	10.	14.0	57.	25.3	68	-6.6	7.8	20	0.315	0.049	20	0.409	0.058	20	329.	4.8	20
57.	10.	14.6	53.	26.0	75	-6.1	7.5	21	0.357	0.056	21	0.462	0.067	21	329.	4.7	21
56.	8.	14.1	52.	25.2	78	-4.7	7.2	23	0.402	0.060	22	0.519	0.074	22	328.	4.4	22
55.	8.	13.4	52.	23.9	79	-3.8	6.5	26	0.456	0.065	24	0.590	0.079	24	330.	3.8	24
54.	9.	13.5	50.	23.6	80	-3.6	6.6	31	0.505	0.068	28	0.656	0.085	28	330.	3.8	28
53.	10.	15.6	48.	22.6	85	-3.6	6.5	32	0.569	0.073	28	0.738	0.090	28	328.	3.6	28
52.	8.	14.3	48.	21.8	94	-4.4	6.2	32	0.643	0.077	28	0.837	0.093	28	329.	3.4	28
51.	7.	13.5	46.	21.1	96	-5.0	6.1	34	0.721	0.079	30	0.938	0.094	30	329.	3.7	30
50.	7.	13.8	45.	22.2	96	-3.9	7.1	35	0.814	0.082	30	1.056	0.098	30	328.	3.8	30
49.	8.	15.1	45.	22.0	97	-3.3	8.1	36	0.918	0.082	30	1.193	0.098	30	328.	4.2	30
48.	7.	14.3	44.	23.0	98	-3.3	8.6	38	1.039	0.081	31	1.355	0.094	31	329.	4.0	31
47.	5.	14.4	40.	23.4	98	-3.6	8.3	39	1.169	0.079	31	1.525	0.087	31	329.	3.8	31
46.	4.	15.1	38.	23.9	96	-4.9	8.8	39	1.322	0.084	31	1.737	0.093	31	326.	3.7	31
45.	3.	15.1	33.	23.7	98	-5.6	9.0	42	1.514	0.093	33	1.997	0.109	33	327.	4.2	33
44.	4.	14.4	30.	24.2	101	-7.8	10.1	42	1.721	0.105	33	2.294	0.135	33	324.	4.6	33
43.	2.	13.7	27.	27.1	102	-11.5	10.0	42	1.956	0.115	33	2.638	0.142	33	322.	4.9	33
42.	3.	13.6	22.	28.1	103	-14.6	8.5	43	2.227	0.125	33	3.026	0.157	33	321.	5.0	33
41.	0.	12.3	19.	27.0	108	-16.3	9.1	44	2.533	0.132	34	3.458	0.173	34	320.	5.5	34
40.	-0.	12.2	19.	26.7	111	-19.8	9.0	44	2.892	0.153	34	3.997	0.222	34	318.	5.6	34
39.	-3.	11.4	16.	26.3	113	-22.2	8.3	44	3.325	0.191	34	4.641	0.317	34	318.	5.5	34
38.	-2.	8.8	16.	26.2	113	-24.7	7.0	44	3.807	0.201	34	5.366	0.310	34	315.	4.7	34
37.	-2.	9.2	13.	24.6	116	-27.6	6.4	45	4.355	0.223	35	6.198	0.334	35	315.	4.4	35
36.	-4.	8.2	12.	24.7	117	-29.5	6.2	45	5.005	0.252	35	7.183	0.425	35	314.	4.2	35
35.	-4.	7.5	11.	24.2	116	-31.1	6.3	45	5.739	0.283	35	8.281	0.469	35	313.	4.1	35
34.	-1.	7.2	10.	22.6	115	-34.0	6.6	45	6.612	0.331	35	9.668	0.538	35	311.	3.9	35
33.	-2.	7.2	6.	19.7	116	-37.3	6.1	45	7.611	0.355	35	11.279	0.479	35	309.	3.3	35
32.	-2.	6.4	5.	17.2	116	-40.6	5.2	45	8.841	0.464	35	13.294	0.692	35	305.	2.9	35
31.	-2.	6.3	2.	15.9	115	-43.0	5.2	45	10.172	0.440	35	15.452	0.610	35	305.	3.0	35
30.	-1.	6.0	1.	14.7	114	-45.6	5.1	45	11.756	0.485	35	18.032	0.603	35	302.	3.3	35
29.	-1.	5.4	2.	13.3	116	-47.8	4.6	45	13.696	0.536	35	21.208	0.741	35	302.	3.5	35
28.	-1.	5.1	-0.	11.7	116	-49.9	4.6	45	15.956	0.604	35	24.882	0.936	35	301.	3.3	35
27.	-1.	4.8	-0.	10.7	115	-51.6	4.0	45	18.559	0.715	35	29.178	1.034	35	300.	2.7	35
26.	-2.	4.4	-0.	9.2	116	-52.5	4.2	45	21.637	0.820	35	34.097	1.305	35	298.	2.6	35
25.	-1.	4.1	-0.	8.6	113	-53.2	4.0	45	25.118	0.641	34	39.700	1.095	34	299.	2.6	34
24.	-1.	4.3	0.	8.9	112	-54.8	3.5	44	29.244	0.725	32	46.595	1.304	32	296.	2.3	32
23.	-1.	3.8	2.	8.3	109	-56.1	3.7	44	34.045	0.604	30	54.513	1.181	30	297.	2.3	30
22.	-3.	4.2	1.	7.0	100	-57.4	3.9	44	39.725	0.604	28	63.917	1.120	28	296.	2.6	28
21.	-3.	3.9	4.	5.8	87	-59.2	4.0	42	46.283	0.610	21	74.888	1.238	21	294.	2.7	21
20.	-1.	4.8	4.	6.3	77	-60.1	4.5	39	54.196	0.557	3	87.883	0.893	3	295.	2.3	3


ALTITUDE (KILOMETERS MSL)
(1000 FEET MSL)
1-7
12-29
35-49
59-68
75-85
94-98
100-116
77-87
(N-E) ← → (S-W)
WIND SPEED (METERS/SEC)
CODE: N,S(——)
E,W(– –)
3-7
15-26
31-36
39-45
TEMPERATURE (°C)
CODE: 1962 U.S. STANDARD ATMOS (-S-)
● NUMBER OF SAMPLES
TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

STATISTICAL RESULTS FOR FEB 1966 AT WSMR, NEW MEXICO

HEIGHT IS IN KILOMETERS ABOVE SEA LEVEL
THE WIND COMPONENTS AND SPEED OF SOUND ARE IN M/SEC
TEMPERATURE IS IN DEGREES CENTIGRADE
PRESSURE IS IN MILLIBARS
DENSITY IS IN GRAMS/CUBIC METER
THE M COLUMN IS THE MEAN COLUMN, THE S COLUMN IS THE STANDARD DEVIATION COLUMN
AND THE N COLUMN IS THE NUMBER OF VALUES USED FOR THE M AND S.

HT	-N+S		-E+W			TEMP			PRESSURE			DENSITY			SPEED OF SOUND		
	M	S	M	S	N	M	S	N	M	S	N	M	S	N	M	S	N
70.	-25.	0.4	32.	20.8	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
69.	-19.	3.9	31.	15.5	2	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
68.	-14.	18.0	48.	29.9	3	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
67.	-14.	13.8	50.	26.3	4	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
66.	-8.	12.0	52.	26.7	4	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
65.	-4.	17.1	48.	25.5	6	0.	0.	0	0.	0.	0	0.	0.	0	0.	0.	0
64.	3.	16.1	42.	29.1	8	-14.4	0.	1	0.145	0.	1	0.195	0.	1	324.	0.	1
63.	10.	13.1	42.	32.0	8	-10.8	0.	1	0.166	0.	1	0.221	0.	1	325.	0.	1
62.	12.	18.2	42.	30.8	8	-11.6	4.6	2	0.184	0.004	2	0.244	0.003	2	324.	3.0	2
61.	19.	20.8	36.	28.8	8	-11.1	5.1	3	0.208	0.005	3	0.275	0.001	3	324.	3.4	3
60.	13.	16.8	43.	28.9	10	-8.6	5.4	3	0.238	0.005	3	0.310	0.003	3	326.	3.7	3
59.	12.	13.7	42.	24.0	11	-8.5	5.6	5	0.268	0.004	5	0.350	0.008	5	326.	3.6	5
58.	13.	13.2	43.	22.1	13	-6.2	5.0	5	0.302	0.007	5	0.394	0.002	5	329.	3.3	5
57.	11.	16.9	42.	23.7	13	-6.6	6.4	5	0.346	0.008	5	0.451	0.007	5	327.	4.0	5
56.	14.	16.5	41.	20.5	13	-5.7	6.2	5	0.390	0.009	5	0.507	0.010	5	329.	3.8	5
55.	16.	15.9	40.	18.8	13	-5.5	6.1	5	0.441	0.007	5	0.573	0.012	5	328.	3.5	5
54.	17.	18.4	37.	16.2	12	-4.6	6.6	7	0.488	0.021	7	0.633	0.028	7	328.	4.1	7
53.	22.	20.6	36.	16.2	17	-4.2	6.0	7	0.555	0.025	7	0.718	0.031	7	330.	3.5	7
52.	18.	19.2	36.	17.8	20	-5.3	3.7	7	0.628	0.028	7	0.817	0.037	7	328.	2.2	7
51.	15.	19.1	36.	18.2	20	-4.5	4.6	7	0.711	0.030	7	0.921	0.043	7	330.	2.7	7
50.	15.	19.7	39.	21.3	20	-2.3	7.5	7	0.803	0.033	7	1.033	0.057	7	331.	4.4	7
49.	15.	21.3	40.	20.3	21	-1.2	9.1	7	0.907	0.040	7	1.163	0.066	7	332.	5.5	7
48.	12.	19.3	39.	22.2	21	-3.9	8.4	8	1.036	0.046	8	1.342	0.077	8	330.	5.1	8
47.	14.	18.1	37.	23.1	21	-6.6	5.6	8	1.173	0.052	8	1.536	0.073	8	327.	3.4	8
46.	13.	19.7	36.	22.7	21	-11.6	3.3	8	1.334	0.057	8	1.776	0.065	8	324.	2.0	8
45.	10.	21.3	32.	21.8	21	-11.0	4.8	9	1.505	0.068	9	1.997	0.076	9	326.	3.0	9
44.	12.	21.4	35.	22.4	22	-10.0	6.1	9	1.710	0.076	9	2.263	0.103	9	325.	3.9	9
43.	15.	19.2	35.	23.9	22	-12.1	4.7	9	1.942	0.083	9	2.593	0.084	9	325.	2.9	9
42.	13.	19.2	35.	24.3	22	-13.4	5.3	9	2.218	0.090	9	2.971	0.091	9	323.	3.2	9
41.	10.	16.8	33.	22.3	24	-14.4	6.7	9	2.521	0.097	9	3.392	0.103	9	322.	4.3	9
40.	11.	16.1	35.	23.0	22	-17.2	8.1	9	2.872	0.111	9	3.914	0.112	9	322.	4.9	9
39.	11.	13.9	37.	23.5	22	-20.3	7.8	9	3.282	0.119	9	4.523	0.102	9	320.	4.9	9
38.	7.	10.1	39.	22.9	22	-22.9	5.3	9	3.750	0.118	9	5.219	0.085	9	317.	3.5	9
37.	9.	10.6	36.	19.8	22	-24.6	6.0	9	4.291	0.121	9	6.012	0.063	9	316.	3.8	9
36.	6.	9.5	35.	22.3	22	-24.8	6.1	9	4.924	0.119	9	6.901	0.109	9	316.	3.9	9
35.	3.	8.5	34.	22.9	22	-25.3	5.4	9	5.638	0.138	9	7.923	0.234	9	317.	3.5	9
34.	5.	7.5	33.	19.8	21	-29.8	6.9	9	6.469	0.156	9	9.271	0.342	9	314.	4.4	9
33.	8.	5.3	27.	15.4	21	-36.2	4.9	9	7.459	0.165	9	10.982	0.270	9	310.	3.2	9
32.	5.	4.1	23.	11.3	21	-40.8	5.0	9	8.638	0.164	9	12.962	0.261	9	307.	3.2	9
31.	5.	5.0	21.	11.2	21	-43.4	6.8	9	9.992	0.169	9	15.176	0.329	9	305.	4.4	9
30.	4.	5.4	18.	10.8	21	-47.1	6.2	9	11.573	0.197	9	17.848	0.348	9	301.	4.3	9
29.	3.	5.2	16.	8.2	21	-50.5	5.1	9	13.501	0.144	9	21.148	0.460	9	299.	3.7	9
28.	2.	5.4	12.	5.9	21	-51.6	6.1	9	15.775	0.177	9	24.849	0.802	9	298.	4.0	9
27.	2.	4.1	12.	4.7	20	-53.8	3.8	9	18.384	0.213	9	29.224	0.691	9	298.	2.8	9
26.	3.	3.8	9.	4.5	20	-54.1	4.1	9	21.536	0.430	9	34.238	1.025	9	298.	2.8	9
25.	1.	4.2	7.	4.0	19	-54.2	3.0	9	25.117	0.482	9	39.970	1.128	9	298.	2.1	9
24.	3.	4.2	8.	5.7	18	-55.7	2.8	9	29.144	0.347	9	46.712	0.964	9	297.	1.8	9
23.	2.	4.2	11.	6.3	16	-56.3	2.3	9	33.989	0.493	8	54.518	1.110	8	295.	1.5	8
22.	3.	4.3	11.	6.0	14	-56.9	2.1	9	39.752	0.430	8	64.012	0.728	8	296.	1.4	8
21.	1.	3.3	11.	4.8	12	-58.1	1.9	9	46.473	0.609	7	75.222	1.026	7	294.	1.5	7
20.	2.	3.5	11.	7.1	10	-57.8	3.3	9	54.582	0.152	2	87.746	1.065	2	295.	2.1	2


ALTITUDE (KILOMETERS MSL) (1000 FEET MSL)
2-8
10-17
20-24
10-17
1-5
7-8
9
(N-E) (S-W)
WIND SPEED (METERS/SEC)
TEMPERATURE (°C)
CODE: N,S(——) E,W(– –)
CODE: 1962 U.S. STANDARD ATMOS (-S-)
● NUMBER OF SAMPLES
TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

FIRST ADDENDUM TO
DATA REPORT OF THE
METEOROLOGICAL ROCKET NETWORK
FEBRUARY 1966 FIRINGS

METEOROLOGICAL ROCKET SOUNDING DATA

These data are collected at White Sands Missile Range from all the cooperating ranges around the world; the data reduction is performed by highly qualified physics and mathematics personnel employed by Schellenger Research Laboratories at Texas Western College, El Paso, Texas.

The reduced data are entered on the Meteorological Rocket Sounding Data SRL Form 543 as shown on page vii of this publication. They are then punched on cards, and a print-out is made for reproduction in the Meteorological Rocket Network Data Report. The punched cards and print-outs represent the digital data recorded on the MRND form. Obviously, some users will require only the printed and graphical data, while others will be utilizing the punched card output as well. The cards are punched directly from the data form beginning with a header card giving the station, date, time, etc., and followed by consecutive cards with the digital data across the form punched on each card.

When certain data provided for on the form are not recorded, the appropriate sections are left blank; and when only a portion of a particular section is filled with a number or numbers, the remainder of this section is filled with zeros. Missing data are left blank.

1. HEADER CARD:

Data	Form Columns
REPORTING POINT: The appropriate code numbers are printed in these columns. Codes have been taken from the WBAN Station Number Master List dated May 1962. Any new stations not included on this list will be assigned a number by the U.S. Weather Bureau's National Weather Record Center, where the list originated. If a second header column is used, 99999 will appear as an indicator.	1 - 5
DATE:	
YEAR: The last two digits of the year are entered in	6 - 7

these columns.

MONTH: In those cases where the month is represented by one digit only (i.e., 1 through 9), a zero is entered in column 8 and the numeral representing the month in column 9. Months represented by two digits use both columns 8 and 9. — 8 - 9

DAY: In those instances where the day is represented by one digit only (i.e., 1 through 9), a zero is entered in column 10 and the numeral representing the day in column 11. Days represented by two digits use both columns 10 and 11. — 10 - 11

TIME: Rocket launch time is shown in hours and minutes Greenwich Civil Time, based on a 24-hour clock. — 12 - 15

TIME (RAOB): — (±) - 17

RAOB data are included only if one has been taken within six hours (although exceptions are made to twelve hours) of the time of the rocket firing. When the RAOB is taken before the rocket firing, a minus (-) is entered in the "±" column. If the RAOB is taken after the firing a plus (+) is entered in the "±" column, and the number of hours is entered in columns 16 and 17. For example, if the RAOB used is taken four hours prior to the rocket firing, a minus (-) is entered in the "±" column, a zero in column 16, and a four in column 17. A RAOB taken four hours after the rocket firing is entered as +04, in the appropriate columns.

ROCKET TYPE: The appropriate code is entered in these columns. (See code table page iii.) — 18 - 19

WIND SENSOR (WS): The appropriate code is entered in these columns. (See code table page iv.) — 20 - 21

TEMPERATURE SENSOR (TS): (Measurement system) The appropriate code is entered in these columns. (See code table page v.) — 22 - 23

RELEASE POINT (RP): The appropriate code is entered in these columns when the RAOB release point is not the same as the rocket firing point. (See code table page vi.) — 24 - 25

INSTRUMENT ADJUSTED (IJ): When the temperature-sensing in- — 26 - 27

strument calibration is adjusted to conform to the RAOB, the appropriate code is entered. (See code table page vi.)

QUESTIONABLE DATA (QD): 28 - 29

1. Questionable wind data occasioned by poor radar plot due to equipment malfunction or poor sensor performance are shown by placing the appropriate code in these columns. (See code table page vi.)

2. Questionable temperature data and/or thermodynamics occasioned by malfunction of flight or ground equipment are shown by placing the appropriate code in these columns. (See code table page vi.)

3. Missing wind data occasioned by malfunction of flight or ground equipment are shown by placing the appropriate code in these columns. (See code table page vi.)

4. Missing thermodynamics data occasioned by the lack of sufficient base information are shown by placing the appropriate code in these columns. (See code table page vi.)

WIND HEIGHT TOP (WHT): When applicable, the top height of questionable or missing wind data is shown in these columns in tens of meters. 30 - 33

WIND HEIGHT BOTTOM (WHB): When applicable, the bottom height of questionable or missing wind data is shown in these columns in tens of meters. 34 - 37

TEMPERATURE HEIGHT TOP (THT): When applicable, the top height of questionable or missing temperature and thermodynamics data is shown in these columns in tens of meters. 38 - 41

TEMPERATURE HEIGHT BOTTOM (THB): When applicable, the bottom height of questionable or missing temperature and thermodynamics data are shown in tens of meters. 42 - 45

BLANK: 46 - 47

REPORTING POINT NAME AND PLACE: Proper abbreviations are used whenever possible. A blank column is left between words. For example: Pacific Missile Range, Point Mugu, California, is 48 - 76

shown as P in column 48, M in column 49, R in column 50. A comma is placed in column 51, and column 52 is left blank. "Point" is placed in columns 53 through 57, column 58 remains blank; "Mugu" is placed in columns 59 through 62, a comma is placed in column 63, column 64 is left blank; "California" is shown as Calif. and placed in columns 65 through 70. All unused columns are left blank.

If a sounding is reported from a ship, the ship's name will appear in these columns followed by the latitude and longitude of the ship; for example: Ship Sierra - 26.6°N 63.5°W - is shown as S in column 48, H in column 49, I in column 50, P in column 51, Sierra in columns 53 through 58. A comma is shown in column 59 and column 60 is left blank. A two in column 61, a six in column 62, a period (.) in column 63, six in column 64, and N in column 65. A six is shown in column 67, three in column 68, a period (.) in column 69, a five in column 70, and W in column 71.

If two or more header cards are used, the numbers 99999 appear in columns 1 through 5. If 99999 appears in columns 1 through 5, entries for columns 48 through 76 will be shifted to appear in columns 49 through 76, leaving column 48 blank. This blank space is supplied for machine purposes.

BLANK: 77 - 79

COLUMN 80: The number shown in this column indicates the type of correction (if any) that has been applied to the sounding. (See page 8, column 80.) 80

2. TRAILER CARD:

Data	Form Columns
ROCKET WINDS:	
FALL VELOCITY: The fall velocity is shown in meters per second to the nearest whole meter. For example: a 50 mps fall velocity is shown as 050. Column 16 is filled with a zero, a five is entered in column 17, and a zero is entered in column 18.	16 - 18
ALTITUDE (MSL): Example: A 9,000-meter altitude is shown as 0900. Column 19 is filled with a zero, the nine is entered in column 20, and zeros are entered in columns	19 - 22

21 and 22.

COMPONENT WINDS (Meters per second):

NORTH-SOUTH WINDS: A north wind is differentiated from a south wind by entering a minus (-) in the "X" column. Wind speeds are shown in columns 23 through 25. For example: A north wind of 50 meters per second is shown with a minus (-) in the "X" column, a zero in column 23, a five in column 24, and a zero in column 25. A north wind of 115 meters per second is shown with a minus (-) in the "X" column, a one in columns 23 and 24, and a five in column 25. South winds are shown in the same manner, except that the "X" column is left blank. — X - 25

EAST-WEST WINDS: An east wind is differentiated from a west wind by placing a minus (-) in the "X" column. Wind speeds are shown in the same manner as set forth for the north-south winds, except that columns 26 through 28 are used. — X - 28

THERMODYNAMICS:

ALTITUDE (MSL): Example: A 9,000-meter altitude is shown as 0900. Column 29 is filled with a zero, the nine is placed in column 30, and columns 31 and 32 are filled with zeros. — 29 - 32

TEMPERATURE (Degrees Celsius): A minus (-) is shown in the "-" column for all negative temperatures. The "-" column remains blank for all positive temperatures. Whole degrees are shown in columns 33 and 34, and tenths of degrees in column 35. For example: A -5.0°C is shown with a minus (-) in the "-" column, a zero in column 33, a five in column 34, and a zero in column 35. A positive temperature of 9.5°C is shown with the "-" column blank, a zero in column 33, a nine in column 34, and a five in column 35. The decimal point is not shown. — (-) - 35

PRESSURE (MB): Pressures represented by whole millibars are shown in columns 36 and 37. Tenths, hundredths, and thousandths are shown in columns 38, 39, and 40, respectively. For example: A pressure of 41.532 is shown with a four in column 36, a one in column 37, a five in column 38, a three in column 39, and a two in column 40. — 36 - 40

DENSITY (GM M^{-3}): Whole numbers are shown in columns 41 and 42; tenths, hundredths, and thousandths, in columns 43, 44, and 45 respectively. For example: 1.41 GM M^{-3} density is shown with a zero in column 41, a one in column 42, a four in column 43, a one in column 44, and a zero in column 45. The decimal point is not shown. 41 - 45

SPEED OF SOUND (M SEC^{-1}): Speed of sound is entered in whole meters per second. For example: A speed of 500 meters per second is shown with a 5 in column 46, and zeros in columns 47 and 48. 46 - 48

BLANK: 49

COMPOSITION:

ALTITUDE (MSL): Altitudes are entered in tens of meters with all unused columns filled with zeros. For example: A 9,000-meter altitude is shown as 0900. A zero is placed in column 50, a nine in column 51, and zeros in columns 52 and 53. 50 - 53

OZONE CONCENTRATION (CM/KM x 10^{-3}): Ozone concentration values in centimeters per kilometer x 10^{-3} are entered in these columns with unused columns filled with zeros. 54 - 56

ELECTRON DENSITY (E CM^{-3}): Electron density is shown to the nearest whole number and placed in column 57. The power is shown in column 58. 57 - 58

LYMAN ALPHA RADIATION (μW CM^{-2}): Whole digits are shown in column 59 and tenths in column 60. Unused columns are filled with zeros. 59 - 60

RAOB:

PRESSURE (MB): Pressures represented by whole millibars are shown in columns 61 through 63. Tenths are shown in column 64. For example: A pressure of 301.1 mb is shown with a three in column 61, a zero in column 62, a one in column 63, and a one in column 64. A pressure of 60.0 mb is shown with a zero in column 61, a six in column 62, and zeros in columns 63 and 64. All unused columns are filled with zeros. The decimal point is not shown. Pressures of 1000.0 mb and above are shown by omitting the one and 61 - 64

placing a bar over the number in column 61, thus indicating to the punch card operator that a one should appear before the number in column 61.

ALTITUDE (Tens of meters MSL): Altitudes are entered in tens of meters with all unused columns filled with zeros. For example: A 9,000-meter altitude is shown as 0900. A zero is placed in column 65, a nine in column 66, and zeros in columns 67 and 68. 65 - 68

COMPONENT WINDS:

NORTH-SOUTH WINDS: A north wind is differentiated from a south wind by entering a minus (-) in the "X" column. Wind speeds are shown in columns 69 through 71. For example: A north wind of 50 meters per second is shown with a minus (-) in the "X" column, a zero in column 69, a five in column 70, and a zero in column 71. A north wind of 115 meters per second is shown with a minus (-) in the "X" column, ones in columns 69 and 70, and a five in column 71. South winds are shown in like manner, except that the "X" column is left blank. X - 71

EAST-WEST WINDS: An east wind is differentiated from a west wind by entering a minus (-) in the "X" column. Wind speeds are shown in the same manner as set forth for the north-south winds, except that columns 72 through 76 are used. X - 74

RELATIVE HUMIDITY (PERCENT): A 100% relative humidity is shown with an "X" in the "X" column, and zeros in columns 75 and 76. A 29% relative humidity is shown with the "X" column remaining blank, a two in column 75, and a nine in column 76. A 95% relative humidity is shown by leaving the "X" column blank, placing the nine in column 75, and the five in column 76. When the humidity element "motorboats" due to very low humidity (<20%) or temperature (<-40°C), the numbers "00" are entered in columns 75 and 76, with the "X" column remaining blank. Missing relative humidity will be left blank. X - 76

TEMPERATURE (Degrees Celsius): A minus (-) is shown in the "-" column for all negative temperatures. The "-" column remains blank for all other temperatures. Whole degrees are shown in columns 77 and 78. Tenths of degrees are shown in column 79. For example: A -5.0°C is shown with a minus (-) in the "-" column, a zero in column 78, and a zero in column 79. A positive temperature of 23.5°C (-) - 79

is shown with the "-" column blank, a two in column 77, a three in column 78, and a five in column 79. The decimal point is not shown.

CORRECTION CODE (COR): A one is shown in this column to indicate that wind velocity is reported in meters per second rather than knots. A two is shown in this column to indicate that wind velocity is reported in meters per second rather than knots and that the temperatures for the rocketsonde observation have been corrected according to White Sands Missile Range's correction method. A three is shown in this column to indicate that wind velocity is reported in meters per second rather than knots and that the winds have been corrected for fall velocity. A four is shown in this column to indicate that wind velocity is reported in meters per second rather than knots, that the winds have been corrected for fall velocity, and that the temperatures for the rocketsonde observation have been corrected according to White Sands Missile Range's correction method. 80

LIST OF REPORTING POINTS AND CODES

Reporting Points	Std. Abbr.	WBAN Station Numbers	ROCOB Index Numbers
AFMDC, Holloman AFB, New Mexico (Lat. 32° 51'N Long. 106° 06'W)	HMN	23002	N/A
AFETR, Antigua AAFB, B.W.I. (Lat. 17° 09'N Long. 61° 47'W)	MKPA	11604	78861
AFETR, Ascension Island AFB (Lat. 07° 59'S Long. 14° 25'W)	FHAW	50101	61902
AFETR, Cape Kennedy, Florida (Lat. 28° 27'N Long. 80° 32'W)	COF 1	12868	74794
AFETR, Eleuthera Island AFB (Lat. 25° 16'N Long. 76° 19'W)	MYEM	12713	78076
AFETR, Grand Turk Island AAFB (Lat. 21° 26'N Long. 71° 09'W)	MKJT	12714	78118
AFETR, San Salvador Island AAFB (Lat. 24° 07'N Long. 74° 27'W)	MYSM	12716	78089
HARP, Seawell, West Indies (Lat. 13° 06'N Long. 59° 37'W)	MKPB	11503	78954
Eglin Air Force Base, Florida (Lat. 30° 23'N Long. 86° 42'W)	VPS	13858	72221
Fort Churchill, Canada (Lat. 58° 44'N Long. 93° 49'W)	YQ	15901	72913
Fort Greely, Alaska (Lat. 64° 00'N Long. 145° 44'W)	FGJ	26406	70266
Green River, Utah (Lat. 38° 56'N Long. 110° 04'W)	GRV	93132	72477
Kindley Air Force Base, Bermuda (Lat. 32° 21'N Long. 64° 39'W)	MYKF	13601	78016
McMurdo Sound, Antarctica (Lat. 77° 53'S Long. 166° 44'E)	NGD	87601	89664
PMR, Barking Sands (Kauai), Hawaii (Lat. 22° 03'N Long. 159° 47'W)	BKH	22509	91162
PMR, Eniwetok, Marshall Islands (Lat. 11° 26'N Long. 162° 23'E)	PKMA	41601	91250

Reporting Points	Std. Abbr.	WBAN Station Numbers	ROCOB Index Numbers
PMR, Kwajalein, Marshall Islands (Lat. 08° 44'N Long. 167° 44'E)	PKWA	40604	91366
PMR, Point Mugu, California (Lat. 34° 07'N Long. 119° 07'W)	NTD	93111	72391
PMR, San Nicholas Island, California (Lat. 33° 14'N Long. 119° 25'W)	NSI	93116	72291
Point Barrow, Alaska (Lat. 71° 21'N Long. 156° 59'W)	BRW	27504	70027
Primrose Lake, Alberta, Canada (Lat. 54° 45'N Long. 110° 03'W)	IQ	25129	74124
Ship Sierra (Lat. 26° 36'N Long. 63° 30'W)		00001	
Thule AFB, Greenland (Lat. 76° 33'N Long. 68° 49'W)	THU	17602	04202
Tonopah Range, Nevada (Lat. 38° 00'N Long. 116° 30'W)	TTR	03132	72485
Wallops Island, Virginia (Lat. 37° 50'N Long. 75° 29'W)	WAL	13755	72402
West Geirinish, Scotland (Lat. 57° 21'N Long. 07° 22'W)	VIST	15043	03023
White Sands Missile Range, New Mexico (Lat. 32° 23'N Long. 106° 29'W)	WSD	23039	72269

ROCKET TYPE

Types	Codes
Loki I	00
Arcas	01
Boosted Arcas	02
Judi	03
Roksonde 200	04
Hasp I	05
Hasp II	06
Metroc	07
Boosted Metroc	08
Deacon Arrow	09
Nike Cajun	10
Archer	11
Raven	12
Hopi-Dart	13
Tally Hi	14
Skua	15
Hasp III	16
Sirocco	17
Gun Probe	18
Cajun	19
Loki Dart	20

WIND SENSOR (WS)

Types	Codes
Not applicable (N/A)	00
Chaff	01
Parachute	02
Chaff and Chute	03
Sphere (Inflatable)	04
Sphere (Accelerometer)	05
Grenade	06
Balloote	07

TEMPERATURE SENSOR (TS) [Measurement Systems]

Types	Codes
Not Applicable (N/A)	00
Delta	01
DMQ-6	02
Gamma	03
Borg-Warner	04
Gamma II	05
Arcasonde	06
Hasp (Inst)	07
PMR II	08
Sphere (Inflatable)	09
Sphere (Accelerometer)	10
Grenade	11
Arcasonde 1A	12
Resistance Wire	13
Metrosonde	14
Servo-mech sonde (SMI)	15
Arcasonde II-A	16
DMQ-9	17
Arcasonde II	18
Datasonde	19
Experimental	99

ABNORMAL DATA

	Codes
RELEASE POINT (RP):	
RAOB taken at place other than rocket firing:	
San Nicolas Island	00
Point Arguello	01
Antigua AAFB	02
Lihue (Kauai)	03
INSTRUMENT ADJUST (IJ):	
Instrument calibration adjusted to conform to RAOB	00
QUESTIONABLE OR MISSIND DATA (QD):	
Questionable Wind Data	00
Questionable Temperature and/or Thermodynamics Data	01
Questionable Wind and Temperature Data	02
Missing Wind Data	03
Missing Temperature Data	04
Missing Thermodynamics Data	05

METEOROLOGICAL ROCKET SOUNDING DATA

PAGE ______ OF ______

REPORTING POINT CODE	DATE YR.	DATE MO.	DATE DAY	TIME (Z) -ROCKET-	TIME -RAOB-	RKT TYPE CODE	WS	TS	RP	IJ	QD	WHT TENS OF M	WHB TENS OF M	THT TENS OF M	THB TENS OF M	BLANK	REPORTING POINT NAME AND PLACE	BLANK	COR
1 2 3 4 5	6 7	8 9	10 11	12 13 14 15	± 16 17	18 19	20 21	22 23	24 25	26 27	28 29	30 31 32 33	34 35 36 37	38 39 40 41	42 43 44 45	46 47	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	77 78 79	80

ROCKET WINDS: FALL VEL.	ROCKET WINDS: ALT. (MSL) TENS OF M	ROCKET WINDS: COMPONENT WINDS -NORTH +SOUTH	ROCKET WINDS: COMPONENT WINDS -EAST +WEST	THERMODYNAMICS: ALT. (MSL) TENS OF M	THERMODYNAMICS: TEMP. DEG. C.	THERMODYNAMICS: PRESSURE MB	THERMODYNAMICS: DENSITY GM M^{-3}	THERMODYNAMICS: SPD. OF SOUND METERS PER SECOND	COMPOSITION: ALT. (MSL) TENS OF M	COMPOSITION: OZONE CM/KM 10^{-3}	COMPOSITION: ED E CM^{-3}	COMPOSITION: LAR UW/CM^2	RAOB: PRESSURE MB	RAOB: ALT. (MSL) TENS OF M	RAOB: COMPONENT WINDS -NORTH +SOUTH	RAOB: COMPONENT WINDS -EAST +WEST	RAOB: RH %	RAOB: TEMP. DEG. C.	BLANK
16 17 18	19 20 21 22	X 23 24 25	X 26 27 28	29 30 31 32	– 33 34 35	36 37 38 39 40	41 42 43 44 45	46 47 48 49	50 51 52 53	54 55 56	57 58	59 60	61 62 63 64	65 66 67 68	X 69 70 71	X 72 73 74	X 75 76	– 77 78 79	80

SCHELLENGER RESEARCH LABS. FORM 543

SECOND ADDENDUM TO

DATA REPORT OF THE

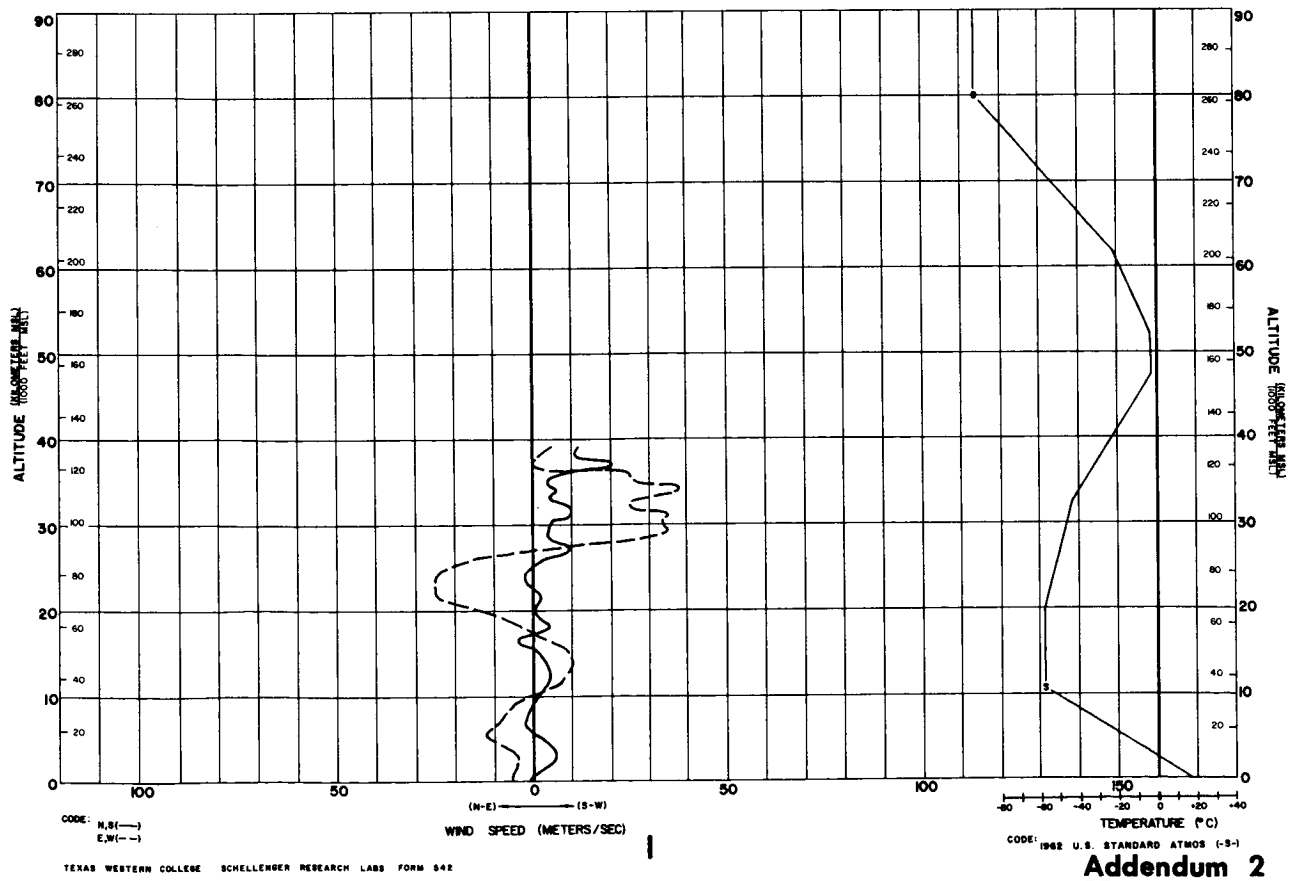
METEOROLOGICAL ROCKET NETWORK

FEBRUARY 1966 FIRINGS

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
40604	PMR. KWAJALEIN. M.I.	65 12 15	0333	-01	03	01	00								1

ROCKET WINDS				THERMODYNAMICS					COMPOSITION				RAOB					
FV	A MSL	COMP	WNDS	A MSL	TDC	PMB	D	SOS	A MSL	O	ED	LAR	PMB	A MSL	COMP	WNDS	RH	TDC
018	3900	+012	+005										0007.0	3353	+007	+024		-38.5
018	3800	+011	+002										0008.7	3200	+009	+025		-40.8
017	3700	+020	+000										0010.9	3048	+005	+034		-45.6
015	3600	+009	+024										0013.7	2896	+004	+034		-43.3
012	3500	+004	+026										0017.2	2743	+009	+009		-42.5
013	3400	+006	+038										0021.6	2591	+003	-016		-49.9
008	3300	+005	+029										0027.3	2438	-002	-024		-57.1
													0044.5	2134	+002	-024		-64.9
													0073.9	1829	+004	-004		-82.0
													0126.9	1524	+001	+008		-75.5
													0208.1	1219	+004	+008		-49.6
													0323.7	0914	+000	-005		-26.1
													0484.1	0610	-002	-010		-04.6
													0705.6	0305	+006	-004	39	+10.4
													1006.7	0000	-001	-006	66	+28.9
													0010.0	3109	+009	+035		-43.9
													0050.0	2063	+001	-017		-66.8
													0100.0	1660	-003	+003		-81.6
													0500.0	0584	+000	-012		-02.7
													0700.0	0312	+006	-004	39	+10.2



TEXAS WESTERN COLLEGE SCHELLENGER RESEARCH LABS FORM 542

Addendum 2

METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
40604	PMR: KWAJALEIN: M.I.	66 01 15	0000	-01	03	01	00								1

ROCKET WINDS

FV	A MSL	COMP	WNDS
034	5600	+000	+043
031	5500	+006	+032
027	5200	-002	+014
026	5100	-013	+022
030	5000	+002	-005
028	4900	+010	+006
024	4800	+006	-001
025	4700	-001	+004
022	4500	+010	+002
018	4400	+004	+004
019	4200	+007	-012
012	4100	-002	-022
015	4000	+000	-015
018	3800	+005	-002
016	3700	-001	+001
015	3500	+004	-005
015	3400	+000	-012
013	3300	+010	-008
012	3200	+005	-003
012	3100	-001	+008
013	3000	+000	+010

THERMODYNAMICS

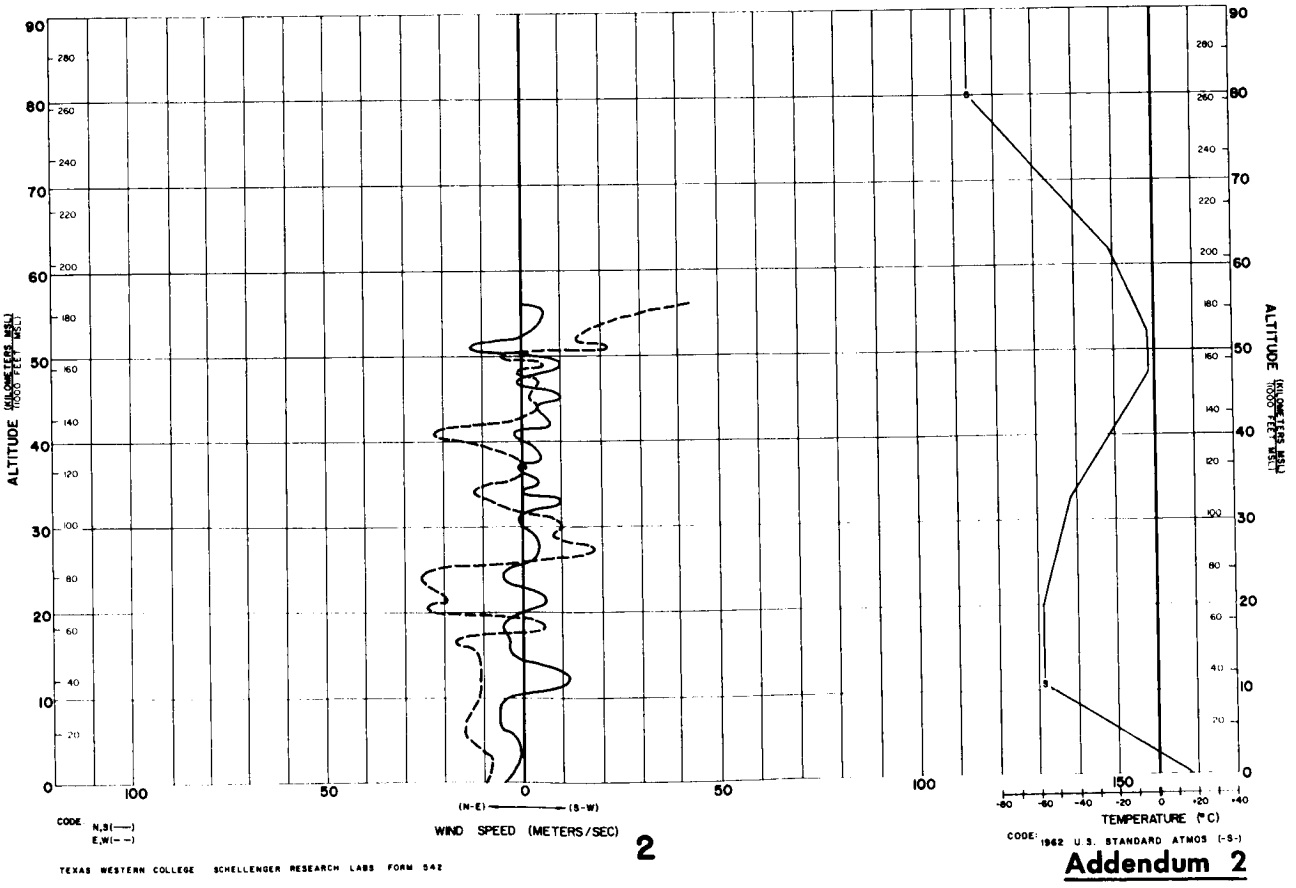
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0008.8	3200	+000	+006		-37.9
0011.0	3048	+002	+008		-42.1
0013.8	2896	+003	+008		-45.0
0017.3	2743	+004	+018		-46.4
0021.7	2591	+002	+001		-47.5
0027.4	2438	-005	-026		-53.5
0044.5	2134	+006	-019		-66.1
0074.8	1829	-005	+006		-77.4
0128.3	1524	-003	-012		-74.6
0209.8	1219	+012	-011		-49.4
0325.6	0914	-006	-012	13	-24.4
0486.8	0610	-005	-015	14	-05.7
0708.5	0305	-001	-008	13	+11.6
1011.1	0000	-005	-009	67	+28.7
0010.0	3109	+000	+007		-40.0
0050.0	2064	+003	-024		-72.1
0100.0	1666	-003	-017		-85.1
0500.0	0588	-003	-015	14	-05.1
0700.0	0315	-001	-009	13	+11.3



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METEOROLOGICAL ROCKET SOUNDING DATA

RP	RP NAME + PLACE	DATE Y M D	TIME Z	TR	RT	WS	TS	RP	IJ	QD	WHT	WHB	THT	THB	C
40604	PMR. KWAJALEIN. M.I.	66 01 27	0000	-01	03	01	00			00	6100	2400			1

ROCKET WINDS

FV	A MSL	COMP	WNDS
065	6100	+000	+047
065	6000	+016	+045
048	5900	+010	+056
051	5800	+007	+038
038	5700	+000	+050
036	5500	+006	+033
033	5400	+017	+047
035	5300	+011	+030
028	5100	-007	+038
027	5000	-006	+016
026	4800	-005	+027
024	4700	-003	+014
022	4500	+001	-007
021	4400	-011	-013
019	4200	+010	-017
016	4100	+006	-007
017	4000	-002	-012
019	3900	-013	-011
016	3700	+000	-025
015	3600	+000	-019
014	3500	+000	-023
016	3300	+007	-012
013	3100	+004	-024
012	2900	+000	-011
010	2600	+000	-013
008	2500	+000	-029
009	2400	+000	-026

THERMODYNAMICS

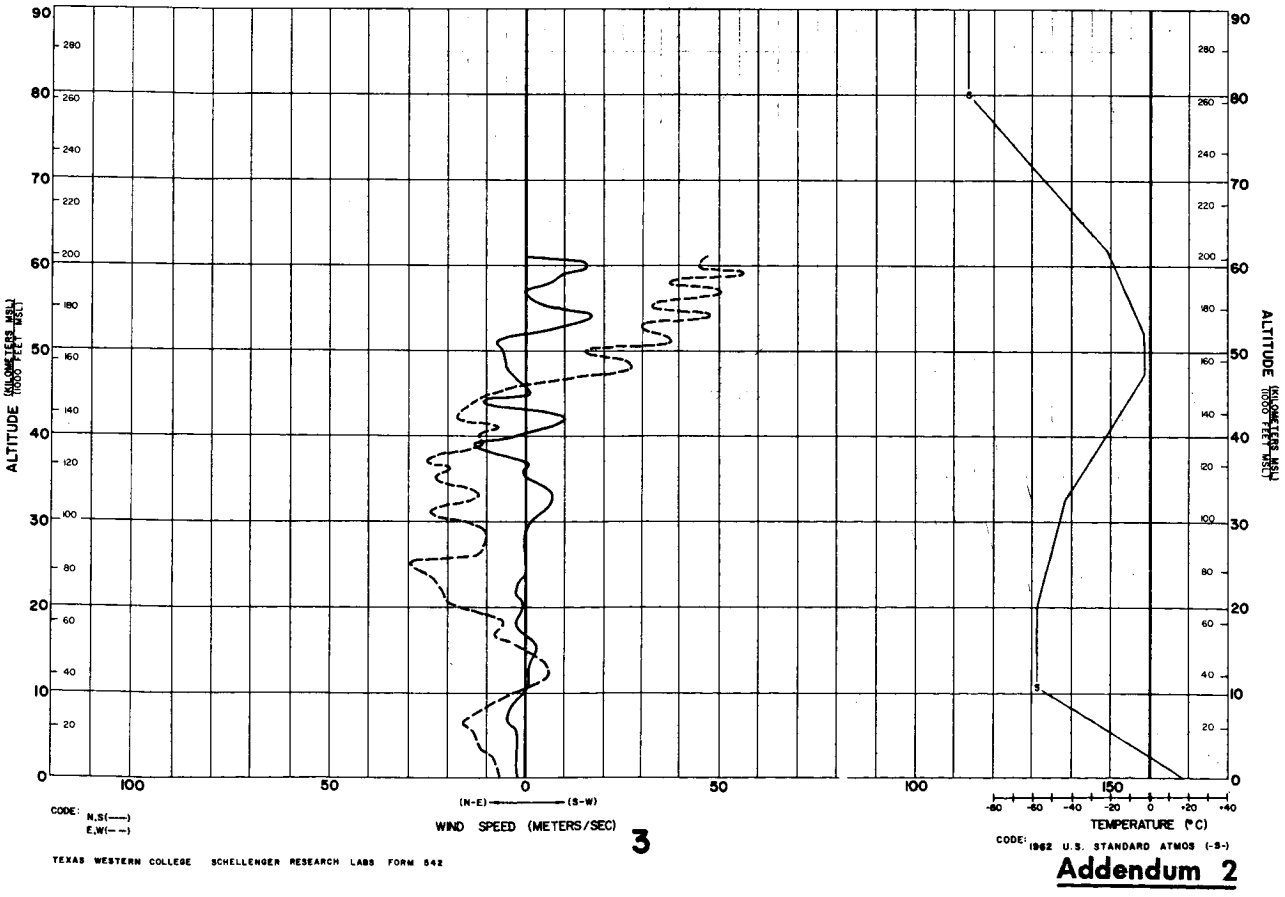
A MSL	TDC	PMB	D	SOS

COMPOSITION

A MSL	O	ED	LAR

RAOB

PMB	A MSL	COMP	WNDS	RH	TDC
0007.2	3353	+003	-018		-36.4
0008.9	3200	+006	-016		-41.7
0011.2	3048	-001	-001		-41.7
0014.0	2896	+001	-007		-43.0
0017.5	2743	-001	-015		-44.7
0022.0	2591	+003	-013		-50.1
0027.9	2438	-001	-035		-54.1
0045.2	2134	-002	-021		-62.3
0074.9	1829	-002	-006		-72.3
0127.6	1524	+003	-002		-75.3
0208.9	1219	+001	+006	17	-49.4
0325.2	0914	-002	-007	29	-28.3
0488.0	0610	-004	-016		-06.7
0710.1	0305	-002	-010		+14.6
1013.0	0000	-002	-007	65	+29.0
0010.0	3124	+000	-011		-43.2
0050.0	2072	-001	-020		-67.0
0100.0	1664	+000	-008		-80.4
0500.0	0591	-003	-015		-05.7
0700.0	0317	-002	-011		+13.9



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