

PROJECT 10073 RECORD CARD

1. DATE 1 December 1962	2. LOCATION East Point, Georgia		12. CONCLUSIONS <input checked="" type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon
3. DATE-TIME GROUP Local <u>sundown 1725</u> GMT <u>01/2225Z</u>	4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar		<input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. SOURCE civilian		<input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical
7. LENGTH OF OBSERVATION 3-4 minutes	8. NUMBER OF OBJECTS one	9. COURSE rising	<input type="checkbox"/> Other _____ <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
10. BRIEF SUMMARY OF SIGHTING Amature astronomer observing moon through 46.66" focal length TX w/Ramsden eyepiece. Moon in focus and sky background bright blue no clouds. Bright quarter visible as well as the black portion. Bright object observed against the black background which increased in brilliance. Nothing unusual without scope. Object turned bright red and moved off the moon. Gained velocity and increased to a brilliant red.		11. COMMENTS Description and motion consistent with balloon observation at sunset. Winds in accord with motion. Case evaluated as balloon.	

* Surface
 & Termination
 Alt. for
 150 & 300 m
 are with
 respect to
 ground, or
 for other
 standards
 levels are
 in ft.

Reason for abnormality

75

7274	24	2342	1750	2000	696	81	113
6919	27	6632	1760	2020	698	20	113
6920	28	6980	1775	2100	697	29	6.9
6918	29	7170	1750	22100	693	30	6.9
6919	30	7170	1825	22800	685	31	10.0
6920	31	7650	1850	23200	675	32	3.57
6920	32	8200	1905	23600	657	33	10.3
6920	33	8200	1935	24600	643	34	10.3
6920	34	8790	205	25600	627	35	7.0
6920	35	8790	212	22900	616	36	3.01
6920	36	9310	221	22600	607	37	4.1
6920	37	9310	228	22600	614	38	2.15
6920	38	9860	237	21600	619	39	2.15
6920	39	9860	247	20700	631	40	2.15
6920	40	10430	257	20300	626	41	7.5
6920	41	10430	269	20300	630	42	7.5
6920	42	11030	280	20300	624	43	6.0
6920	43	11030	290	20300	612	44	6.0
6920	44	11660	296	20000	605	45	6.0
6920	45	12140	304	19600	594	46	7.0
6920	46	12140	314	19600	583	47	7.0
6920	47	12660	320	19600	572	48	10.7
6920	48	12660	327	19600	557	49	10.7
6920	49	13270	333			50	

Coded Data for Transmission

ALLN	00911	10526	0628	10719	0724	10727	0729	00733
0720	00729	10637	0623	10719	00911	00822	0044	0320
0916	02111	07273	03012	05229	05124	03024		00444
0921	03214	02026	02845	01111				

110	20	20110	113
118	40	21866	175
140	27	26320	147
140	14		
140	20	26221	90.0

Punched Card Data

Card No.	15	Card No.	1
Type of equipment	8	Type of equipment	8
150 m	4	150 m	13
150 m	4	150 m	13
150 m	13	150 m	13
150 m	13	150 m	13
150 m	15	150 m	13
150 m	12	150 m	13
150 m	15	150 m	13
150 m	17	150 m	13
150 m	15	150 m	13
150 m	16	150 m	13
150 m	11	150 m	13
150 m	8	150 m	13

Minimum Wind Speed Data

Min. gtt. wind speed 15 m. p.s. or more (m.)	
Alt. of maximum wind speed (m.)	
Direction of max. gtt. wind at 15 m. p.s.	
Max. gtt. wind speed 15 m. p.s. or more (m.)	
Enter flag(s) (additional flags) appear on reverse side.	

Identification Athens, Ga. (Chickasaw County Airport)
Elevation 115 ft
Pibal 33° 57' N Orientation 330° South
33° 57' N 83° 19' W

U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU
WINDS-ALOFT COMPUTATION SHEET
(LAND STATION FORM)
WBAN-20

Actual (recd standard)
Scheduled (G.M.T.)
Year Month Day
1967 JUL 1
1967 JUL 1
Time
0530
0530

Type of balloon **TD-2 GIBAN**

Altitude (m)	Altitude (ft)	Elevation angle	Distance from observation point (m)	Elevation angle		Wind Direction (360° = N)	Wind Speed (m.p.h.)	Rowinsonde Time-Altitude Data	
				Observed	Smoothed			Pressure (mb)	Altitude (m, m.p.h.)
1	150	48.7	1065	18.2		55	22.2		
2	300	55.3	2710	15.85		62	26.0		
3	450	58.2	4180	13.20		65	23.1		
4	600	60.3	5480	13.20		67	21.0		
5	750	61.6	6765	12.30		71	19.2		
6	900	63.2	7790	13.60		69	15.7		
7	1050	63.1	8575	14.20		65	15.3		
8	1200	63.6	9360	14.76		75	15.0		
9	1350	65.3	10300	14.90		85	16.2		
10	1500	67.3	11190	15.1		88	17.8		
11	1650	69.2	12520	15.6		88	19.3		
12	1800								
13	1950								
14	2100								
15	2250								
16	2400								
17	2550								
18	2700								
19	2850								
20	3000								
21	3150								
22	3300								
23	3450								
24	3600								
25	3750								
26	3900								
27	4050								
28	4200								
29	4350								
30	4500								
31	4650								
32	4800								
33	4950								
34	5100								
35	5250								
36	5400								
37	5550								
38	5700								
39	5850								
40	6000								
41	6150								
42	6300								
43	6450								
44	6600								
45	6750								
46	6900								
47	7050								
48	7200								
49	7350								
50	7500								
51	7650								
52	7800								
53	7950								
54	8100								
55	8250								
56	8400								
57	8550								
58	8700								
59	8850								
60	9000								
61	9150								
62	9300								
63	9450								
64	9600								
65	9750								
66	9900								
67	10050								
68	10200								
69	10350								
70	10500								
71	10650								
72	10800								
73	10950								
74	11100								
75	11250								
76	11400								
77	11550								
78	11700								
79	11850								
80	12000								
81	12150								
82	12300								
83	12450								
84	12600								
85	12750								
86	12900								
87	13050								
88	13200								
89	13350								
90	13500								
91	13650								
92	13800								
93	13950								
94	14100								
95	14250								
96	14400								
97	14550								
98	14700								
99	14850								
100	15000								

*Stamp the following:
1. Name of Station
2. Lat and long
3. Local Standard time
4. El. of Station
5. Method of observation
6. Type of rigging
7. Balloon
8. Club
9. C.S. No.
10. Inspector

Endorse
1. Extinction
2. Alt. of obs.
3. Alt. of obs.
4. Refractive index
5. Pressure at obs.
6. Pressure at station
7. Pressure at surface
8. Pressure at ground

Printed Card Date
1967 JUL 1

Winds Aloft Computation Sheet
 (LAND STATION FORM)
 WBAN-20

MT. DEPARTMENT OF COMMERCE
 WEATHER BUREAU

Actual (local standard) 1962
 Scheduled (G.M.T.) 1962 DEC 1
 Year Month Day
 Time 0630
 1430

Ascension No. 1181
 Orientation: 360° = South

Winds Aloft Computation Sheet
 (LAND STATION FORM)
 WBAN-20

Stem (m) (feet)	Pilot alt. above sea (m)	Rawin ht. above surface (m)	Elevation angle°		Distance from observation point (m)	Azimuth angle °	Wind		Rawinsonde Time/Altitude Data		
			Observed	Smoothed			Direction 360° = N etc.	Speed (m.p.h.)	Pressure (mb)	Altitude (m, msl)	Elapsed time (min)
1	316	300	1795		920	455	50	6.2	5992	216	0.0
2	360	580	1441		2240	543	54	18.2			
3	616	800	1371		3220	587	65	19.0			
4	860	1070	1422		4160	616	70	15.9		690	1.8
5	1060	1310	1462		4950	641	73	14.2		1280	4.1
6	1260	1540	1540		5480	660	76	11.2		1850	6.5
7	1460	1790	1565		6260	657	69	11.0		2440	9.1
8	1660	2040	1605		6940	654	62	11.8		3100	11.6
9	1860	2270	1650		7550	645	58	11.0		3720	14.2
10	2060	2520	1715		7990	641	52	9.7		4380	16.8
11	2260	2740	1730		8530	615	58	8.4		5040	19.3
12	2460	3000	1750		9260	623	56	10.6		5740	21.7
13	2660	3230	1770		9820	626	57	11.2		6470	24.4
14	2860	3500	1765		10640	622	56	13.6		7200	27.0
15	3060	3740	1755		11440	616	54	12.7		7920	29.8
16	3260	3970	1755		12190	614	59	16.0		8690	32.7
17	3460	4240	1755		13400	612	62	15.8		9480	35.6
18	3660	4500	1770		14600	619	72	7.8		10270	38.5
19	3860	4710	1795		14900	624	73	8.6		11100	41.7
20	4060	5000	1840		15000	624	69	4.1		11884	44.7
21	4260	5210	1905		15000	624	61	3.2		12860	48.0
22	4460	5450	1945		15400	611	52	6.0		13900	51.4
23	4660	5700	1965		15700	620	31	4.3		14900	54.8
24	4860	5920	2035		15800	615	22	5.0		16000	58.6
25	5060	6400	214		16200	617	22	5.0		17050	62.5
26	5260		214								
27	5460		214								
28	5660		214								
29	5860		214								
30	6060		214								
31	6260		214								
32	6460		214								
33	6660		214								
34	6860		214								
35	7060		214								
36	7260		214								
37	7460		214								
38	7660		214								
39	7860		214								
40	8060		214								
41	8260		214								
42	8460		214								
43	8660		214								
44	8860		214								
45	9060		214								
46	9260		214								
47	9460		214								
48	9660		214								
49	9860		214								
50	10060		214								

Rawinsonde Serial Data

Form 610-17
 (12-60)
 Page 1

Stamp the following:
 1. Name of Station
 2. Lat. and long.
 3. Local Standard Time
 4. El. of station
 5. Method of obs. (S. rawinsonde rawin, etc.)
 6. Type of sample (S. WBAN, GMD, etc.)
 7. Name of observer

118	30	21642	822
119	17	22260	715
120	10	30715	79.5

Punched Card Data

Card No. 1	16	Card No. 2
8	16	8
50	8	1308
55	10	1272
56	18	1280
55	12	1226
70	16	1347
77	12	1324
65	12	1324
58	10	1310
58	11	15312
55	13	1310
70	8	1277
45	5	1267

Maximum Wind Speed Date

Min. air wind speed (m.p.h. or more (m.))	
Max. air wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	
Wind speed (m.p.h. or more (m.))	

20	248	529	284	5.0
21	256	522	28	
22	26.9	56.2	293	6.5
23	8120	55.0		
24	29.5	533	293	8.9
25	31.1	51.3		
26	33.0	47.1	270	16.0
27	35.1	46.3		
28	36.8	43.4	280	12.0
29	38.4	40.5		
30	39.9	37.0	309	11.0
31	41.3	34.0		
32	42.4	31.6	354	13.0
33	43.8	29.5		
34	45.3	26.9	334	15.0
35	46.7	22.8		
36	48.1	20.8	324	16.0
37	49.5	17.8		
38	50.8	14.8	323	18.1
39	52.2	11.3		
40	53.6	8.6	317	17.0
41	55.0	6.3		
42	56.4	4.1	310	14.1
43	57.8			
44	59.2			
45	60.6			
46	62.0			
47	63.4			
48	64.8			
49	66.2			
50	67.6			

Coded Data for Transmission

12911	10636	0733	10719	0823	10724	0623	10619
0616	00621	00632	00727	00606	00409	00111	5290
52525	03333	53128	03226	53018	02714	000	99997
02215	02014	92271					03108

1. All data on this form should be typed in the space provided. Do not use the space for anything else. Do not use the space for anything else.

FOR USE BY THE OPERATOR

U.S. DEPARTMENT OF COMMERCE
 WEATHER BUREAU
WINDS-ALOFT COMPUTATION SHEET
 (LAND STATION FORM)
 WBAN-20

Year: 1952
 Month: DEC
 Day: 1
 Time: 0630
 Actual (local standard) (G.M.T.): 1952 DEC 1 1745

Page 2

Identification: Athens, Ga. (Clark County Airport)
 Elevation of observation point: 246 m.
 Rawin: X Orientation 360° = S 89° 19' W

Slant range (m) (yds)	Rise above surface (m)		Elevation angle		Distance from observation point (m)	Azimuth angle (°)	Wind		Rawinsonde Time-Altitude Data			
	100-gm	5-gm	Observed	Standard			Direction (360° = N)	Speed (m.p.h.)	Con. feet	Pressure (mb)	Altitude (m) (ft)	Elapsed time (min)
14570	51	13600	34.9		17400	2.1	51					
14960	52	13900	34.7		20000	35.8	52	308	17.5			
15145	53	14140	34.0		20600	35.76	53					
15425	54	14430	33.3		22000	35.57	54	317	12.6			
15705	55		32.9			35.39	55					
15985	56	15000	32.7		23300	35.28	56	316	13.2			
16265	57		32.5			35.11	57					
16545	58	15560	32.3		24500	35.05	58	314	12.8			
16825	59		32.2			34.92	59					
17105	60	16120	32.0		25700	34.83	60	305	11.0			
17385	61		31.9			34.76	61					
17670	62	16700	32.1		26500	34.68	62	294	8.6			
17950	63		32.3			34.59	63					
18235	64	17320	32.5		27000	34.45	64	272	7.0			
18515	65		32.0			34.39	65					
18795	66	17900	31.4		27000	34.30	66	266	6.8			
19080	67		31.7			34.20	67					
19360	68	18570	34.0		27300	34.11	68	288	8.2			
19645	69		32.9			34.00	69					
19925	70	19100	34.0		28200	33.94	70	292	7.1			
20210	71		34.2			33.90	71					
20490	72	19720	34.5		28500	33.86	72	303	2.8			
20775	73		34.8			33.84	73					
21055	74	20100	35.1		28700	33.85	74	305	3.0			
21340	75		35.6			33.81	75					
21620	76	21100	35.8		29100	33.84	76	302	4.0			
21905	77		36.1			33.77	77					
22185	78	21800	36.3		29500	33.79	78	348	4.0			
22470	79		36.6			33.72	79					
22750	80	22500	36.7		30000	33.70	80	348	4.0			
23040	81		36.9			33.76	81					
23320	82	23200	37.2		30500	33.76	82	282	6.0			
23605	83		37.4			33.71	83					

State the following:
 1. Name of station
 2. Lat and lon
 3. Local time
 4. Day of month
 5. Year
 6. Name of observer
 7. Name of aircraft
 8. Name of pilot
 9. Name of observer
 10. Name of observer

1. Name of station
 2. Lat and lon
 3. Local time
 4. Day of month
 5. Year
 6. Name of observer
 7. Name of aircraft
 8. Name of pilot
 9. Name of observer
 10. Name of observer

Orientation: 360° = South
 Found at: []

Punched Card Data		Card No. 3		Card No. 4	
Card No.	Type of equipment	Card No. 3	Type of equipment	Card No. 4	Type of equipment
169					
170					
171					
172					
173					
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205					

Maximum Wind Speed Data	
Alt. alt. wind speed (m.p.h. or mph)	
Alt. of maximum wind speed (m)	
Alt. difference between (m.p.h.) of two sites	
Max. alt. wind speed (m.p.h. or mph)	

McCollumson
Athens, Ga. (Clarke County Airport)
 Elevation of station 246 m.
 Azimuth of wind 360° South
 83° 19' W
 Azimuth of wind 360° South
 83° 19' W

U.S. DEPARTMENT OF COMMERCE
 WEATHER BUREAU
 WINDS-ALOFT COMPUTATION SHEET
 (LAND STATION FORM)
 WBAN-20

Actual (local standard) 1962 DEC 1 1226
 Scheduled (G.M.T.) 1962 DEC 1 1200
 Ascension No. 1782

Page 1

Type of balloon 100-0-17

Stem range (m) (4/4)	Pibal ht. above sfc. (m)	Pibal ht. above surface (m)	Elevation angle°		Distance from observation point (m)	Azimuth angle°	Wind		Rawinsonde Time-Altitude Data		
			Observed	Smoothed			Direction° 360° N	Speed (m.p.h.)	Con. Pressure (mb)	Altitude (m, mean)	Elapsed Time (min)
216	310	1	37.6		455	27.4	1	37			
614	670	2	37.8		865	37.2	2	62			
612	880	3	37.0		1620	53.0	3	69			
801	1240	4	28.7		2345	58.1	4	70			
1240	1540	5	26.2		2755	61.2	5	65			
1110	1800	6	26.7		3505	60.3	6	52			
1390	2170	7	27.0		4260	38.0	7	48			
1510	2480	8	26.1		5010	56.2	8	53			
1740	2740	9	25.6		5720	56.2	9	52			
1990	3050	10	24.9		6535	56.6	10	60			
2070	3300	11	24.6		7210	57.2	11	65			
2280	3580	12	23.8		8115	56.5	12	67			
2330	3850	13	23.5		8865	52.3	13	67			
2610	4130	14	23.1		9590	60.7	14	67			
2780	4400	15	23.5		10330	60.5	15	62			
2970	4670	16	24.9		10500	60.4	16	59			
3180	4940	17	24.8		10700	60.5	17	72			
3310	5210	18	25.3		11030	61.0	18	79			
3410	5480	19	26.2		11150	61.3	19	72			
3590	5750	20	27.1		1250	60.0	20	110			
3780	6020	21	28.0		11370	62.1	21	123			
4000	6290	22	29.1		11370	64.2	22	227			
4110	6560	23	28.6		11700	61.1	23	303			
4310	6830	24	32.0		10740	57.5	24	375			
4500	7100	25					25				
4770	7370	26					26				
4990	7640	27					27				
5210	7910	28					28				
5410	8180	29					29				
5680	8450	30					30				
5910	8720	31					31				
6140	8990	32					32				
6310	9260	33					33				
6410	9530	34					34				

* Stamp the following:
 1. Name of Station
 2. Lat. and Long.
 3. Local Standard Time Zone
 4. E. of Station Meridian
 5. Method of observation
 6. Type of balloon
 7. Date and time of day
 8. Name of observer
 9. Name of pilot
 10. Name of observer

1. Surface temperature
 2. Air temperature
 3. Dew point
 4. Relative humidity
 5. Wind direction
 6. Wind speed
 7. Clouds
 8. Visibility
 9. Barometric pressure
 10. Altimeter setting
 11. Time of day
 12. Name of observer
 13. Name of pilot
 14. Name of observer

Finished Card Data

April 3, 1963

Mr. [REDACTED]
[REDACTED] Avenue
East Point, Georgia

Dear Mr. [REDACTED]

Thank you for your interesting letter of March 28 regarding your well described observation of an unusual object observed on December 1.

Since your sighting occurred during twilight it seems within the bounds of possibility that the object was a balloon reflecting the sun's direct rays at first and then turning red as it descended or moved away from the sun into the earth's shadow. The writer has personally witnessed this white-to-red effect on balloons at a high altitude in twilight.

However, in case this is not the explanation for your observation, we are passing a copy of your letter to Dr. J. Allen Hynek, of Northwestern University, who is actively interested in unusual observations of this kind.

Yours sincerely,

Alex. B. Geddes
Moonwatch Recorder

AEG:PE

WX Ordered 25 April 1963 from Ashville, N.C.

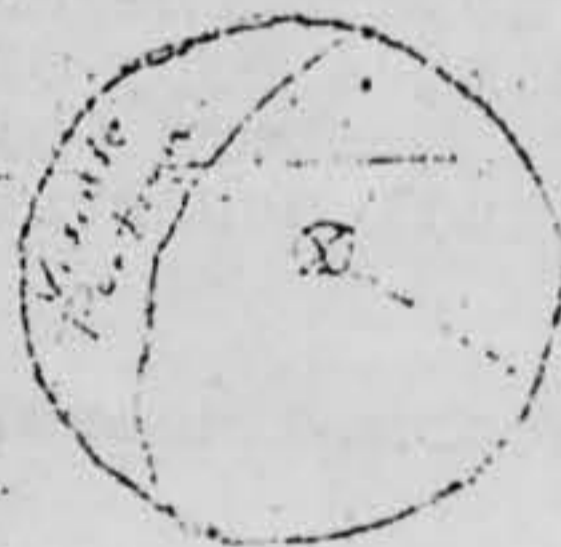
[redacted] Avenue
East Point, Georgia
March 26, 1963

Smithsonian Astrophysical Observatory
60 Garden Street
Cambridge 38, Massachusetts

Gentlemen:

I have hesitated in writing you since the observation, of which I am about to relate, is so long past. However, Jack Hudnell, of the West Palm Beach Moonwatch Team, insists that I let you know what I saw since it may corroborate the observations of another astronomer, amateur or otherwise.

On December 1, 1962 I decided to look at the moon with my six inch, 45.66" focal length, during light conditions, using a Ramsden eyepiece. So, just at sundown I focused on the moon. The sky surrounding the moon was a brilliant blue and there was not a cloud visible in the sky. I could see the bright quarter and the black, or shadow, portion ahead out against the blue background of sky. At 1725 EST my wife had been looking through the scope and had started towards the house. I was looking through the scope at the moon when I saw what appeared to be a mountaintop shining brightly in the black area of the moon, like so:



⊗ Point of first sighting
Path of movement

SMC

It shone so brightly and kept increasing in brilliance that I called to my wife to come back and see it. As she looked into the eyepiece she immediately asked what was that red spot on the moon. Then she said that it was starting to move. At this time I was looking at the moon, first with the naked eye and then with a moonwatch scope, but could see nothing out of the ordinary. When my wife stated that the spot was moving I took my turn at the eyepiece and what had been my original bright spot indeed had turned a very bright red and was moving off of the face of the moon. (See drawing above) This spot continued on into the blue of the sky as a brilliant red and so continued, increasing in velocity (acceleration) until I lost it. It was only in sight for about three or four minutes, from the time of first sighting until disappearance. I would roughly say that the brilliant spot originated in the vicinity of the crater Alphonsus and the path from that point to the edge of the moon would take it over the crater Cardanus.

I hope that this may be of interest to you.

Sincerely,
[redacted]

DATA PROCESSING DIVISION
CLIMATIC CENTER, USAF
Air Weather Service (MATS)
Asheville, North Carolina

REPLY TO
ATTN OF: CCDDP


SUBJECT: Wind Data, Atlanta Georgia

26 April 1963

TO: Aerospace Technical Intelligence Center/TDE
Foreign Data Division (Sgt Moody)
Wright-Patterson AFB, Ohio

1. Reference: Telephone request, Sgt. Moody, to this organization
25 April 1963.
2. We are sending photocopies of the following:
 - a. WBAN 10, Surface Weather Observation for Atlanta, Ga. 1 Dec 62.
 - b. WBAN 20, Computation Sheets for four observations on 1 Dec 62
for Athens, Georgia.

FOR THE DIRECTOR


RICHARD L. HOKE
2nd Lt., USAF
Asst. Administrative Officer

1 Atch
Wnd data f/Atlanta, Ga.

TIME (L)	TIME (P)	PRECIP (IN)	SNOW FALLEN (IN)	SNOW ON GROUND (IN)	MAX TEMP (F)	MIN TEMP (F)	AIR TEMP (F)	WIND DIR	WIND SPCD (MPH)	STATE OF SKY	STATE OF CLOUDS	STATE OF VISIB	WATER TEMP (F)	SOIL TEMP (F)	STATION NUMBER	COMPUTATION
1259	1329	0	0	0	53	52				X	X	X	X	X	2587	1587
1400	1450	0	0	0	60	53				X	X	X	X	X	2587	1587
1500	1550	0	0	0	53	51				X	X	X	X	X	2587	1587
1600	1650	0	0	0	66	50				X	X	X	X	X	2587	1587
1700	1750	0	0	0	68	58				X	X	X	X	X	2587	1587
MID.		0	0	0	59	50				X	X	X	X	X	2587	1587

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)											
MAX TEMP (F)	MIN TEMP (F)	PRECIP (IN)	SNOW FALLEN (IN)	SNOW ON GROUND (IN)	WIND DIR	WIND SPCD (MPH)	STATE OF SKY	STATE OF CLOUDS	STATE OF VISIB	WATER TEMP (F)	SOIL TEMP (F)
68	50	0	0	0							

10 - REMARKS, NOTES AND MISCELLANEOUS INFORMATION
 Total updrift **605** Summit **CLINE**
 Fastest observed 1-minute wind speed **17** mph direction **NE**
 Fastest mile **NE** associated direction **NE** and time **0855**
 Excessively precipitation

AT (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)												

BARO TIME **1400Z**

1387

U.S. DEPARTMENT OF COMMERCE - WEATHER BUREAU
 AIRCRAFT WEATHER OBSERVATIONS

STATION
 ATLANTA, GA., (MUNICIPAL AIRPORT)
 DATE
 DEC 1 1962

Time (UTC)	Day and ceiling (tentative if prev.)	Visibility (statute miles)		Weather (description to vision)	Sea and wave (state)	Temp (F)	Dew pt. (F)	Wind (dir. and speed)	Altimeter (alt. and corr.)	Remarks (and significant facts)	Observer
		Surface (M)	Upper (M)								
R 0255	0	15				205	35	7	014		
R 0305	019 00507	14081		24552		200	34	9	013		
R 0315	0	15				200	34	9	013		
R 0325	0	15				197	33	12	012		707
R 0335	0	15				197	33	12	012		
R 0345	0	15				201	32	12	013		
R 0355	0	15				216	32	11	014		FEW CI
R 0405	019 10411	24020		20651		212	30	10	016		46751
R 0415	0	15				216	31	10	017		
R 0425	0	15				222	30	14	019		217
R 0435	0	15				219	30	13	018		
R 0445	0	15				211	30	10	016		
R 0455	0	15				200	29	10	019		
R 0505	019 01510			24020		175	27	7	011		39820 44550
R 0515	0	15				190	27	7	010		
R 0525	0	15				189	27	8	009		618
R 0535	0	15				188	25	7	009		
R 0545	0	12				191	23	4	010		FEW CI W
R 0555	0	12				198	21	5	012		WHD LGT AND 11804
R 0605	019 01915	69420				198	21	5	012		WHD LGT AND 11804
R 0615	0	12				198	21	5	012		618 310
R 0625	0	12				202	21	5	013		
R 0635	0	12				207	21	5	015		
R 0645	0	12				211	20	4	016		
R 0655	0	12				211	20	5	016		

Winds Aloft (Clarke County Airport)
Elevation of observation point, 246 m.
Rawin, WBPT-57 Orientation 360° = S
33° 57' N 83° 19' W

U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU
WINDS-ALOFT COMPUTATION SHEET
(LAND STATION FORM)
WBAN-20

Year Month Day
1962 NOV 30 1830
Scheduled (G.M.S.T.)
1962 NOV 30 2330
Ascention No. 1179

Type of balloon 20 220 - 6008

Observation Time: 2460:00

Altitude (m)	Rawin h. above surface (m)	Elevation angle		Distance from observation point (m)	Azimuth angle (°)	Wind		Barometric pressure (mb)	Altitude (m)	Elapsed time (min)
		Observed	Smoothed			Direction (true)	Speed (m.p.h.)			
246	0	19.55		730	44.0	1	46	246	246	0.0
500	254	17.80		1550	45.7	2	51			
720	474	16.65		2390	48.9	3	63	600	600	1.5
990	744	16.55		3290	55.4	4	69	889	1160	3.0
1260	1014	17.00		4270	57.7	5	69	829	1750	6.0
1500	1254	17.50		4690	59.6	6	75	771	2330	7.5
1710	1464	17.10		5670	62.4	7	75	715	2920	11.2
2000	1754	16.90		6450	63.6	8	70	662	3560	15.8
2230	1984	16.45		7370	64.5	9	71	612	4190	19.4
2490	2244	15.95		8500	65.4	10	71	561	4860	19.0
2710	2464	15.70		9350	65.9	11	71	514	5530	21.9
2920	2674	15.30		10320	66.1	12	69	470	6240	24.6
3140	2894	15.25		11000	66.5	13	70	426	6930	27.3
3330	3104	15.25		11760	66.7	14	71	384	7660	30.1
3600	3364	15.35		12580	67.0	15	67	349	8350	32.7
3860	3624	15.45		13320	66.7	16	60	312	9150	35.5
4100	3864	15.45		14000	66.2	17	62	277	9920	38.6
4380	4144	15.10		14700	66.2	18	64	246	10710	41.2
4630	4404	15.60		15500	66.2	19	68	216	11560	43.9
4860	4644	15.75		17100	66.3	20	65	189	12370	47.2
5100	4884	15.95		17600	66.3	21	72	163	13260	50.6
5300	5084	16.10		18200	66.9	22	85	141	14150	53.7
5700	5484	16.25		19100	67.9	23	87	119	15230	57.1
5820	5604	16.60		19600	67.7	24	86	100	16250	60.3
6000	5784	17.05		19800	68.4	25	103	85	17390	63.9
6340	6124	17.10		20000	69.2	26	95	68	18520	67.7
6630	6414	17.60		20700	69.6	27	81	53	20110	71.1
6900	6684	17.75		21500	69.8	28	72	40	21860	74.5
7170	6954	17.90		22100	69.7	29		27	24320	78.7
7400	7184	18.25		22800	69.3	30	36	14		
7700	7484	18.50		23800	68.5	31				
8000	7784	19.05		25200	68.3	32				
8220	8004	19.55								
8400	8184	19.85								
8600	8364	20.15								

Finished Com. Date:

11 19 11 11

*State the following:
1. Name of Station
2. Lat. and long.
3. Local standard time
4. El. of station
5. Method of observation
6. Type of rawin used
7. Type of equipment used
8. Rawin used
9. G.M.S.T.
10. S.C.R. No.
11. Remarks

*Surface temperature
*Surface wind
*Surface pressure
*Surface humidity
*Surface visibility
*Surface cloud
*Surface fog
*Surface ice
*Surface snow
*Surface rain
*Surface hail
*Surface sleet
*Surface dew
*Surface frost
*Surface ice
*Surface snow
*Surface rain
*Surface hail
*Surface sleet
*Surface dew
*Surface frost