

PROJECT 10073 RECORD CARD

1. DATE 1 December 1962		2. LOCATION East Point, Georgia		12. CONCLUSIONS ☒ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon	
3. DATE-TIME GROUP Local sundown 1725 GMT 01/2225Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar		☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft	
5. PHOTOS ☐ Yes ☒ No		6. SOURCE civilian		☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical	
7. LENGTH OF OBSERVATION 3-4 minutes		8. NUMBER OF OBJECTS one		9. COURSE rising	
10. BRIEF SUMMARY OF SIGHTING Amature astronomer observing moon through 46.66" focal length TX w/Ram-sden 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.	

WORKING GROUP FOR MONITORING

4

23. Name of
 following:
 1. Name of
 Station.
 2. Lat. and
 Long.
 3. Local
 Standard
 Time. — If
 meridian
 24. Altitude
 25. Nature of
 site. (a)
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1997

WEBAN-20

Rawlin, 33° 57' N
Orientation 360° = S
83° 19' W

Rawlin,
33° 57' N

Orientation, 360°= South

Station (m.s. (441))	Pibal ht. above sfc. (m.)	Pibal 100- ft. from	Pibal ht. above surface (m.)	Elevation angle°		Distance from observation point (m.)	Azimuth angle °	Wind		Rowinson's Time-Altitude Pair			
				Observed	Smoothed			Direction° 360°=N	Speed (m.p.h.)	Correct	Pressure (mb.)	Altitude (m./m.s.l.)	Elapsed time (min.)
	14570	51	13160	341		19400	537						
	14650	52		347			573	519	118	5			
	15145	53	13290	352		19300	443			10			
	15425	54		355			475	530	110	15			
	15705	55	14300	360		19600	451			20			
	15935	56	14620	366		19600	433	310	127	25			
	16255	57	14990	374		19500	408			30			
	16545	58	15300	380		19500	386	311	119	35			
	16825	59		384			367			40			
	17105	60	15980	389		19700	351	309	153	45			
	17385	61		393			342			50			
	17670	62	16080	400		19600	330	290	119	55			
	17950	63		406			321			60			
	18235	64	17020	414		19400	312	293	112	65			
	18515	65		420			298			70			
	18795	66	17880	424		19400	290	295	128	75			
	19080	67		430			274			80			
	19360	68	18400	435		19300	266	293	120	85			
	19645	69		442			258			90			
	19925	70	19135	446		19300	247	293	118	95			
	20210	71		451			237			100			
	20490	72	19870	455		19300	227	294	108	105			
	20775	73		461			214			110			
	21055	74	20560	466		19300	207	308	107	115			
	21340	75		469			195			120			
	21620	76	21200	469		19700	190	310	98	125			
	21905	77		475			184			130			
	22185	78	21820	476		19900	177	321	62	135			
	22470	79		479			171			140			
	22750	80	22540	482		20100	162	287	17				
	23040	81		487			170						

Manure & Cattle

Stamp the following:
1. Name of station
2. Lat and long
3. Local standard time
4. Elevation
5. Method of observation
6. Type of equipment

Endorse
Examination
Date
Signature
Title

U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET
(LAND STATION FORM)

WBAN-20

Identification Athens, Ga. (Clarke County Airport)
Elevation 115 ft

Pibal 33° 57' N 83° 19' W
Orientation 360° = South

Type of balloon 10-D GIBAN

Actual (seal standard)	Year	Month	Day	Time
Scheduled (G.M.T.)	1962	DEC	1	0030
Ascension No.	1180			

Time-Altitude Data		Rowing Time-Altitude Data		Elevation Data	
Time (min)	Altitude (m, ft)	Time (min)	Altitude (m, ft)	Time (min)	Altitude (m, ft)
0		0		0	
5		5		5	
10		10		10	
15		15		15	
20		20		20	
25		25		25	
30		30		30	
35		35		35	
40		40		40	
45		45		45	
50		50		50	
55		55		55	
60		60		60	
65		65		65	
70		70		70	
75		75		75	
80		80		80	
85		85		85	
90		90		90	
95		95		95	
100		100		100	
105		105		105	
110		110		110	
115		115		115	
120		120		120	
125		125		125	
130		130		130	
135		135		135	
140		140		140	
145		145		145	
150		150		150	
155		155		155	
160		160		160	
165		165		165	
170		170		170	
175		175		175	
180		180		180	
185		185		185	
190		190		190	
195		195		195	
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205		205		205	
210		210		210	
215		215		215	
220		220		220	
225		225		225	
230		230		230	
235		235		235	
240		240		240	
245		245		245	
250		250		250	
255		255		255	
260		260		260	
265		265		265	
270		270		270	
275		275		275	
280		280		280	
285		285		285	
290		290		290	
295		295		295	
300		300		300	
305		305		305	
310		310		310	
315		315		315	
320		320		320	
325		325		325	
330		330		330	
335		335		335	
340		340		340	
345		345		345	
350		350		350	
355		355		355	
360		360		360	

CONFIDENTIAL

6150	27	6150	27
6151	28	6151	28
6152	29	6152	29
6153	30	6153	30
6154	31	6154	31
6155	32	6155	32
6156	33	6156	33
6157	34	6157	34
6158	35	6158	35
6159	36	6159	36
6160	37	6160	37
6161	38	6161	38
6162	39	6162	39
6163	40	6163	40
6164	41	6164	41
6165	42	6165	42
6166	43	6166	43
6167	44	6167	44
6168	45	6168	45
6169	46	6169	46
6170	47	6170	47
6171	48	6171	48
6172	49	6172	49
6173	50	6173	50

Coded: Date for Transmission									
APR	06512	00545	0650	0745	0741	0737	0731	0726	
0829	00953	0936							
					06	06735	X5		

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11 12 13 14 15

16 17 18 19 20

Punched Card Data					
Address	Direction (degrees)	Speed (m.p.h.)	Card Columns	Attribute	Card No. & Description
					Card No. & Type of equipment
1	39	8	17	1	0
2	15	14	22	1	
3	53	22	31	0	
4	49	18	31	0	
5	62	26	31	1	
6	66	21	31	0	
7	70	18	31	0	
8	67	14	32	1	
9	8	16	37	1	
10	1		37	1	
11	3		37	1	
12	1		38	1	

Maximum Wind Speed Data	
Min. air wind speed 25 m.p.h. or more (m)	
Air at morning wind speed (m)	
Air at noon wind speed (m)	
Air at evening wind speed (m)	
Enter check if additional levels applicable on above side	

DTM

217	20	248	522	284	5.0
218	21	2560	522	293	6.5
219	22	26.2	535.0	293	8.9
220	23	28.1	535.0	293	8.9
221	24	29.5	535.0	293	8.9
222	25	31.1	535.0	293	8.9
223	26	32.0	535.0	293	8.9
224	27	33.4	535.0	293	8.9
225	28	34.5	535.0	293	8.9
226	29	35.1	535.0	293	8.9
227	30	35.8	535.0	293	8.9
228	31	36.4	535.0	293	8.9
229	32	37.1	535.0	293	8.9
230	33	37.3	535.0	293	8.9
231	34	37.3	535.0	293	8.9
232	35	37.3	535.0	293	8.9
233	36	37.3	535.0	293	8.9
234	37	37.3	535.0	293	8.9
235	38	37.3	535.0	293	8.9
236	39	37.3	535.0	293	8.9
237	40	37.3	535.0	293	8.9
238	41	37.3	535.0	293	8.9
239	42	37.3	535.0	293	8.9
240	43	37.3	535.0	293	8.9
241	44	37.3	535.0	293	8.9
242	45	37.3	535.0	293	8.9
243	46	37.3	535.0	293	8.9
244	47	37.3	535.0	293	8.9
245	48	37.3	535.0	293	8.9
246	49	37.3	535.0	293	8.9
247	50	37.3	535.0	293	8.9

Coded Data for Transmission									
0016	00621	1291	00626	0733	10729	0823	10722	0623	10619
0259	00333	58128	00632	10727	10606	10409	5211	5230	02723
02215	00014	92291	03226	58018	02714	100	111112	99997	03108

111	10	21642	82.5
110	17	27260	71.5
109	10	30715	77.5

Punched Card Data						
Activity	Direction (degrees)	Speed (ft./s.)	Core Columns	Attributes	Condition	Card No. 2
	Card No. 1	Type of equipment	Core		Type of equipment	
100 mi.	50	3	10	1	308	8
100 mi.	55	10	11	1	322	2
200 mi.	55	18	11	1	282	13
200 mi.	55	12	12	10	296	11
100 mi.	70	16	11	1	342	14
100 mi.	77	12	13	1	320	15
200 mi.	65	12	11	1	322	17
200 mi.	58	10	11	1	310	15
200 mi.	58	11	11	1	312	16
100 mi.	55	13	12	1	310	13
100 mi.	70	8	11	1	297	9
100 mi.	45	5	11	1	262	7

[illegible]

24470	29	21600	36.6	30000	335.2	3140	79	240	410
24780	80	22500	36.7	30000	338.0	3140	80	348	
25040	81		36.5		337.6	3140	81		
25370	82	23280	37.2	30500	337.3	3140	82	283	610
25600	83		37.4		336.2	3140	83		
25800	84	24090	37.2	31000	335.9	3140	84	272	719
26160	85		38.0		335.1	3140	85		
26440	86	24860	38.3	31300	334.2	3140	86	280	711
26730	87		38.4		333.3	3140	87		
27010	88	25650	38.3	32200	333.1	3140	88	300	718
27300	89		38.4		332.8	3140	89		
27580	90	26440	38.5	33000	332.3	3140	90	276	710
27860	91		38.6		331.9	3140	91		
28140	92	27300	38.7	33600	331.6	3140	92	295	710
28420	93		39.0		331.1	3140	93		
28700	94	28200	39.2	34400	330.6	3140	94	275	9.2
28980	95		39.3		329.6	3140	95		
29260	96	29100	39.5	35000	328.4	3140	96	268	150
29540	97		39.5		327.1	3140	97		
29820	98	29930	39.4	36100	325.7	3140	98	272	160
30100	99	30430	39.4	36700	324.7	3140	99		
30380	100					3140	100		
30660	101					3140	101		
30940	102					3140	102		
31220	103					3140	103		
31500	104					3140	104		
31780	105					3140	105		

Punched Card Data

Card No. 1	Card No. 2	Card No. 3	Card No. 4
1	2	3	4
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13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
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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
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

Maximum Wind Speed Data

Alt. alt. wind speed (m/sec. or more)	
Alt. of maximum wind speed (m)	
Dir. (degrees) in 360° (m/sec. or more)	
Max. alt. wind speed (m/sec. or more)	

McCollum, Ga. (Clarke County Airport)

Elevation 340 ft. Point, 246 m.

Pibal 33° 57' N
Orientation 360° South
83° 19' W

U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

WINDS-ALOFT COMPUTATION SHEET
(LAND STATION FORM)

WBAN-20

Actual (local standard)	Year	Month	Day	Time
Scheduled (G.M.T.)	1962	DEC	1	1226
	1962	DEC	1	1200

Ascent No. 1782

Type of balloon 100-0-17

Orientation 360° = South

Sight range (m) (ft)	Pibal ht. above sfc. (m) (ft)	Rawin ht. above surface (m) (ft)	Elevation angle°		Distance from observation point (m)	Azimuth angle°	Direction 360° = N	Wind speed (m.p.h.)	Rawinsonde Time-Altitude Data			
			Observed	Smoothed					Condensation (sec)	Pressure (mb)	Altitude (m, msl)	Elapsed time (min)
	216	1	37.6		455	27.4	1	37				
	414	2	37.8		865	27.2	2	62				
	612	3	37.2		1620	53.0	3	69				
	810	4	36.7		2345	58.1	4	70				
	1008	5	26.2		2755	61.2	5	65				
	1206	6	26.2		3545	64.3	6	52				
	1404	7	27.0		4260	58.0	7	48				
	1602	8	26.1		5014	56.7	8	53				
	1800	9	25.6		5720	56.2	9	52				
	2000	10	24.9		6535	56.6	10	60				
	2200	11	24.6		7214	57.2	11	65				
	2400	12	23.8		8115	58.5	12	67				
	2600	13	23.5		8865	53.3	13	67				
	2800	14	23.1		9590	60.7	14	67				
	3000	15	23.5		10130	60.5	15	62				
	3200	16	24.9		10500	60.4	16	59				
	3400	17	24.8		10700	60.5	17	72				
	3600	18	25.3		11030	61.0	18	79				
	3800	19	26.2		11150	61.2	19	72				
	4000	20	27.1		11250	60.0	20	110				
	4200	21	28.0		11320	62.1	21	123				
	4400	22	29.1		11320	62.2	22	227				
	4600	23	28.6		11700	61.1	23	303				
	4800	24	32.0		10940	57.5	24	375				
	5000	25					25					
	5200	26					26					
	5400	27					27					
	5600	28					28					
	5800	29					29					
	6000	30					30					
	6200	31					31					
	6400	32					32					
	6600	33					33					
	6800	34					34					
	7000	35					35					
	7200	36					36					

Finished Card Date

Punched Card Data

* Stamp the following:

1. Name of Station
2. Lat. and long.
3. Local Standard Time, 24 hr.
4. E. of Station
5. Method of observation
6. Type of balloon
7. Type of rawinsonde
8. Date
9. Name of observer
10. Name of recorder
11. Name of supervisor
12. Name of station
13. Name of office
14. Name of department
15. Name of ministry
16. Name of government
17. Name of country
18. Name of continent
19. Name of hemisphere
20. Name of globe
21. Name of world
22. Name of universe
23. Name of everything
24. Name of nothing
25. Name of everything and nothing

* Stamp the following:

1. Name of Station
2. Lat. and long.
3. Local Standard Time, 24 hr.
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15. Name of ministry
16. Name of government
17. Name of country
18. Name of continent
19. Name of hemisphere
20. Name of globe
21. Name of world
22. Name of universe
23. Name of everything
24. Name of nothing
25. Name of everything and nothing

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:PG

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

36-4510

and a small number of

14662

1635	170	31				31
	1710					32
	1880	32				33
	1005					34
	4010	33				35
	285					36
	6210	34				37
	555					38
	386	35				39
	1850					40
	6570	36				41
	16125					42
	5780	37				43
	16420					44
	6930	38				45
	16710					46
	7110	39				47
	1005					48
	2280	40				49
	1500					50
	3470	41				
	1595					
	7550	42				
	11890					
	7830	43				
	2165					
	8010	44				
	2450					
	6190	45				
	2775					
	6370	46				
	3075					
	8950	47				
	13375					
	8710	48				
	3575					
	8910	49				
	5575					
	9090	50				
	14725					

[illegible]

Punched Card Data						
Altitudes	Directions (Degrees)	Speed (Knots)	Card Columns	Altitudes	Speed (Knots)	Type of Instrument
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[illegible]

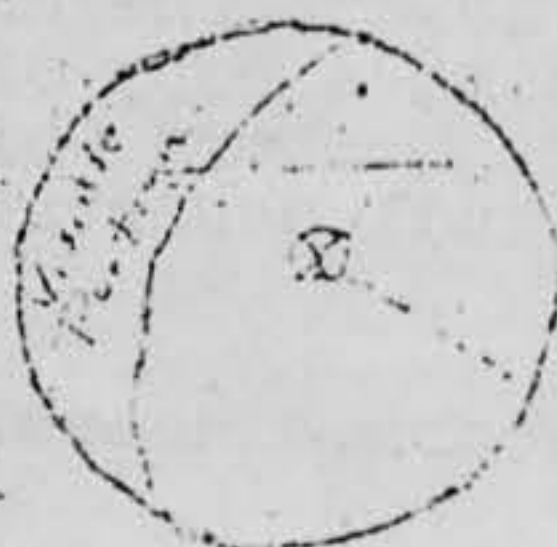
██████████ Avenue
East Point, Georgia
March 26, 1963

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 stood 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,

████████████████████

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

REPLY TO
ATTN OF: CCDDPD

SUBJECT: Wind Data, Atlanta Georgia

26 April 1963

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

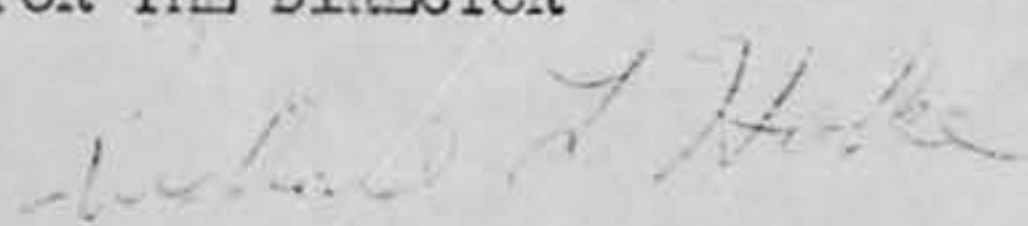
1. Reference: Telephone request, Sgt. Moody, to this organization
25 April 1963.

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.

SURFACE WEATHER OBSERVATIONS

DEC 1 1962

STATION
ATLANTA, GA. (MURKIN P.L.A. REPORT)
BIRMINGHAM, ALA. (MURKIN P.L.A. REPORT)

10

[illegible]

158715

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

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

Time (UTC)	Day and ceiling (heights of feet)	Visibility (statute miles)		Weather and obstructions to vision	Sea and swell (heights)	Time (UT)	Date (UT)	Wind			Altimeter sea level pressure (inches)	Remarks and significant codes (11)	Other remarks (11)
		Surface (mi)	Upper (ft)					Direction (true)	Speed (kts)	Gust (kts)			
R 0000	0	15			205 53 35	014		7			014		
R 0100	019 00507	15		91553	092	013		9			013		
R 0200	0	15			200 52 34	013		9			013		
R 0300	0	15			200 52 34	013		9			013		
R 0400	0	15			197 53 33	012		9			012		
R 0500	0	15			197 52 33	012		9			012		
R 0600	0	15			201 52 32	013		9			013		
R 0700	0	15			216 51 32	014		11			014	FEW CL	
R 0800	019 00411	15		206 51 30	212 51 30	016		10			016		
R 0900	0	15			216 51 31	017		15			017		
R 1000	0	15			222 50 30	019		14			019		
R 1100	0	15			219 61 30	018		15			018		
R 1200	0	15			211 61 30	016		10			016		
R 1300	0	15			200 65 30	019		10			019		
R 1400	019 01510	15		24020	175 67 30	011		10			011	39820 4450	
R 1500	0	15			190 67 41	010		7			010		
R 1600	0	15			189 67 41	009		8			009	618	
R 1700	0	15			188 65 41	009		7			009		
R 1800	0	12			191 63 41	006		4			006	FEW CL W	
R 1900	0	12			199 59 41	012		5			012	WID LGT AND 1100	
R 2000	019 01905	12		69430	198 58 41	008		5			008	46850	
R 2100	0	12			198 57 41	007		5			007		
R 2200	0	12			202 55 41	005		5			005		
R 2300	0	12			209 54 41	015		5			015	310	
R 0000	0	12			211 52 40	016		4			016		
R 0100	0	12			211 50 37	016		5			016		

A black and white photograph of a book cover. The cover is covered in a dense, repeating grid pattern of small, dark, rectangular tiles. The tiles are arranged in a regular, repeating pattern across the entire surface. The right edge of the image shows the binding of the book, with some text visible on the spine. The text on the spine is partially obscured but appears to include the word "C" and some numbers. The overall appearance is that of a textured, possibly woven or printed, material.

