

FLT ID: 021001N1	FM: KMCF	TO: KMCF
FLT NO: 03-001	BLK IN: 1440	ATA: 1432
ETD: 0530Z	BLK OUT: 0519Z 0625Z	ATD: 0636
ETE: 8.5	BLK TIME: 8:15 (8.3)	FLT TIME: 7:56 (7.9)
SPONSOR ORG: ONC	PROGRAM: Surveillance	PURPOSE: H. Lili

DAO PERSONNEL

AC Fite	SYS ENG Goldstein
CP McCann / Maxson	DATA SYS Barr
NAV	RADAR
FE	BT/ODW Carpenter
RADIO	CLD PHYS
FD Parrish	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
White, Sean	HA/S	AOC/HAD
Mirillo, S.	HA/S	HAD

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

000009 1913A LILI TEAL73 12,18Z

0453Z 0530 - Screen in cockpit failure. - AT Nungw.

080/5 Worked on swapping displays 0545 - 0615Z. Up at 0620Z.

25/23 30.04 2103Z - PSIM, QCM Failed - yoke prob in cockpit. Failed ~1040Z.

Dropped 25 of 26 planned drop points. Skipped # 25 due to takeoff delay.

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AOCWF2

Flt ID:

021001N1

Time Off:

0636Z

Time On:

A/C (Take Off)

Wx Stn (Take Off)

A/C (Land)

Wx Stn (Land)

Pressure

1015.5

30.01

Number

Data Disposition/Date/Quality

Slow/Fast Flt Lvl Tapes

Radar Tapes

Cloud Physics Tapes

Video Tapes

Flt Lvl Data Printout

AXBT

AXCP

AXCTD

GPS

26

26 dropped, 25 msgs sent. 1 drop
point skipped (#25) due to launch delay.

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

12022

11392

21 48

21 82 30

21 31

83 32

83 06

970

Quite a few of the sondes lost winds ~~at least~~ through
segments of their log.

Flight ID: 021001N1

H. Lili Surveillance

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Form 4138

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
0519Z	2750.9	8229.6					28	23	-26			1016.1		Blk Out
0625	2750.9	8229.6					29	23	-21			1015.5		Blk Out #2
0636	2751	8230	~	~	86	12	24	21	408	444		957	68	↑ T.O.
0702Z	2520	8324	~	~	62	3.5	-40	-50	10445	11070		243	114	Drop 1
072245	2341	8126	132	129	79	10	-58	-62	12467	13173		175.8	88	
072945	2308	8044	115	112	57	4	-58	-64	12470	13184		175.7	88.8	Drop 2 westward
074220	2247	7907	101	101	166	1.9	-57	-64	12474	13184		175.9	88.8	Drop 3 no wind
074459	2244	7845	101	101	149	7.8	-58	-64	12476	13185		175.9	90.4	Drop 3A
075459	2237	7731	~	~	154	3.6	-57.8	-63.1	12471	13174		175.9	88.9	Drop 4
081138	2444	7730	0	359	196	11	-58	-65	12480	13168		175.7	88.6	Drop 5
082837	2654	7729	0	357	225	11.5	-56.7	-65.4	12478	13165		175.7	87.9	Drop 6
084515	2857	7725	~	~	49	4.8	-56.5	-67.1	12480	13160		175.7	88.0	Drop 7
085857	2900	7529	90	89	226	2	-56.8	-66.0	12479	13171		175.8	88.1	Drop 8
091256	2856	7330	~	~	342	7.4	-58	-61	12612	13318		171.1	85	Drop 9
093323	2631	7239	~	~	324	3.3	-60	-63	12767	13473		167.3	84	Drop 10
095041	2625	7458	~	~	212	11.5	-60.3	-64.4	12776	13478		167.3	84	Drop 11
095248	2609	7500	179	178	192	5	-60.3	-64.6	12775	13478		167.5	84.9	Drop 11A
100130	2402	7454	~	~	71	14	-62	-66	13064	13771		159.6	79.6	Drop 12
102143	2400	7329	90	87	60	16	-61.3	-66.4	13054	13757		159.8	80.0	Drop 13
103414	2346	7206	~	~	70	20	-63	-68	13089	13805		~	~	Drop 14
104944	2159	7300	205	200	81	21.5	-65.7	-67.6	13340	14049		152.2	75.9	Drop 15
110650	2001	7402	~	~	86	14.8	-63.9	-68.7	13340	14036		152.3	75.2	Drop 16
112521	1930	7630	258	257	81	11.7	-65.7	-67.2	13348	14057		152.4	76.0	Drop 17
114547	1853	7710	237	236	51	16.6	-68.6	-69.5	13625	14336		145	71	Drop 18
120209	1745	8100	237	235	72	23	-68.8	-70.7	13630	14343		145	72	Drop 19
121947	1639	8301	~	~	77	18	-69	-69	13624	14336		145	71.7	Drop 20
124327	1919	8347	314	312	1	9	-69	-63	13623	14324		145	73	Drop 21 lowest wind
130313	2024	8605	319	322	61	16	-68	-65	13623	14350		145	71.7	Drop 22
132016	2221	8653	~	~	101	21	-67	-63	13629	14366		145	72.9	Drop 23 lowest
134021	2438	8553	15	15	154	11	-66	-65	13628	14372		145.4	75	Drop 24
140842	2737	8456	57	58	203	4.8	-66	-71	13621	14381		145.6	73	Drop 25

Drop 7 092927 ✓
Drop 6 092959 ✓
Drop 5 093026 ✓

8 100508 ✓
9 100446 ✓
10 100417 ✓

11 104019 ✓
12 104001 ✓
13 103942 ✓

14 112353 ✓

17 122853 ✓

20 135804 ✓

15 112332 ✓

18 122833 ✓

21 135748 ✓

16 1123092 ✓

19 122809 ✓

22 135732

23 135715

24 135655

N49RF AVAPS DropSonde Log

N49RF Project: LILI Flight ID 021001N1

Mission: _____ Flight #: R15 System Status: _____

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	OOD ☒
1	003825214	1	0703	-.2	30	BARR		
2	003825219	1	0729	-.4	23	BARR	LOST WINDS	
3	013635072	2	0742	.6	23	BARR	NO WINDS/INT PTH	
4	013635209	5	0745	.5	84	OWC		
5	013945004	1	0755	.3	30	BARR		
6	003115033	2	0812	0	40	BARR		
7	003248064	1	0828	.2	23	BARR		
8	013635080	2	0845	.4	20	BARR		
9	013635314	1	0859	.3	25	BARR		
10	003825118	2	0913	-.2	20	BARR		
11	003148157	1	0933	.1	20	BARR		
12	012525034	2	0950	.2	NO	BARR	NO WINDS	
13	013945022	1	0952	.3	60	BARR	INT PTH	
14	012525061	1	1010	.3	59	DWC		✓
15	013945048	2	1021	0	84	↓	Late winds	✓
16	012025114	1	1034	0	109	↓	Late winds	✓
17	012525020	2	1049	.3	61	↓		✓
18	012545001	1	1106	0	34	↓		✓
19	003825218	1	1125	-.4	20	↓	Lost winds	✓
20	012025115	5	1146	.2	30	↓		✓
21	013635203	1	1202	.2	15	↓		✓
22	012025117	1	1219	0	16	↓		✓
23	012525053	1	1243	.5	22	alb	LOST WINDS NEAR END	✓ 21
24	012225054	1	1303	.2	49	↓		✓ 22
25	012525050	2	1320	.2	86	↓	LATE WINDS	✓ 23
26	013945002	1	1340	0	16	↓		24
27	012545009	1	1405	0	21	↓		26
28				.4				
29								
30								
31								
32								
33								