FLIGHT SUMMARY SHEET

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
140	6/12/53	NA-192	U/Chi ONR	90-150-V-31	258	14	458	Fleming
141	6/17/53	NA-192	U/Wash ONR	90-150-V-30	246	8	451	Fleming
42	6/22/53	AF-222	Gopher	T31-200-V-1	70	Spec.	179	Fleming
143	7/2/53	NA-192	U/Chi ONR	92.5-2X100-V-36	335	XA 3	643	U/M Air-port
144	7/8/53	NA-192	U/M ONR	90-150-V-39	314	GMU-7	675	"
45	7/9/53	AF-230	Toastmaster	15R-235-DB-2	13	W-1	46	Fleming
146	7/22/53	NA-192	U/Roch ONR	90-150-V-29	256	W-2	363	Fleming
147	7/27/53	AF-239	Col. Vaughn	72"x25'x.0015"	2-1/4	—	14-1/4	Fleming
48	7/27/53	AF-239	"	72" x13'x.0015	1-1/4	—	10-3/4	Fleming
49	8/10/53	AF-230	Toastmaster	15R-235-DB-11	13	W-1	57	Fleming
150	8/10/53	AF-230	Toastmaster	15R-235-DB-12	13	—	57	Fleming
151	8/10/53	AF-230	Toastmaster	15R-235-DB-13	13	--	57	Fleming
152	8/10/53	AF-30	Toastmaster	15R-235-DB-17	13	--	57	Fleming
153	8/10/53	AF-30	Toastmaster	15R-235-DB-19	13	--	57	Fleming
154 thru 173	8/10/53	AF-239	Col. Vaughn	Skypak 130's	1-1/4	--	5-3/4 ea.	Fleming
174	8/12/53	AF-230	Toastmaster	15R-235-DB-4	13	Spec.	41	Fleming
175	8/12/53	AF-230	Toastmaster	15R-235-DB-9	13	--	41	Fleming
176	8/12/53	AF-230	Toastmaster	15R-235-DB-16	13	--	41	Fleming

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
181	8/21/53	AF-230	Toastmaster	15R-235-DB-20	13	--	25	Fleming
182	8/21/53	AF-222	Gopher	73-100-V-285	151	--	350	Fleming
183	8/25/53	AF-222	Gopher	73-200-V-336	251	--	1090	Camp Ripley
184	8/25/53	AF-222	Gopher	73-200-V-334	244	--	1056	"
185	8/28/53	AF-222	Gopher	73-200-V-333	251	W-2	1000	Fleming
186	8/31/53	AF-230	Toastmaster	15R-235-DB-8	13	W-3	47	Fleming
187	9/1/53	AF-222	Gopher	73-200-V-335	248	--	950	Ripley
188	9/8/53	AF-230	Toastmaster	15R-235-DB-5	13	Spec.	28	Fleming
189	9/9/53	AF-230	Toastmaster	15R-235-DB-23	13	Spec.	29	Fleming
190	9/11/53	NA-192	U/M ONR	92.5-2X100-V-44	329	W-5	650	Fleming
191	10/2/53	AF-222	Gopher	73-2X100-V-337	238	--	574	Fleming
192	10/5/53	NA-192	U/M ONR	92.5-2X100-V-52	344	XA 3	704	Fleming
193	10/8/53	AF-230	Toastmaster	15R-235-DB-1	14-1/2	Spec.	41	Fleming
194	10/12/53	NA-192	U/M ONR	92.5-2X100-V-53	353	W-5	630	Fleming
195	10/16/53	AF-230	Toastmaster	15R-235-DB-36	13	Spec.	40	Fleming
196	10/17/53	AF-222	Gopher	20-150-V-112	18	--	100	Fleming
197	10/20/53	AF-230	Toastmaster	20-100-V - ?	10-1/2	Marker	45	Fleming
198	10/20/53	AF-230	Toastmaster	15R-235-DB-44	16	Spec.	44	Fleming
199	10/21/53	AF-230	Toastmaster	15R-235-DB-35	13	Spec. 10	41	Fleming
200	10/24/53	AF-230	Toastmaster	15R-235-DB-37	14	Spec.	33	Fleming
201	10/24/53	AF-222	Gopher	73-2X100-V-338	262	--	1000	Fleming
202	10/26/53	AF-230	Toastmaster	15R-235-DB-43	14	Spec. #3	43	Fleming
203	10/27/53	AF-230	Toastmaster	15R-235-DB-45	14	Spec. #3	42	Fleming

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
204	10/29/53	AF-222	Gopher	U/M Park 116-200-V-6	535	W-6	1300	Fleming
205	10/30/53	AF-222	Gopher	73-2X100-V-339	249	--	1520	Fleming
206	11/3/53	AF-222	Gopher	92.5-250-V-57	462	--	2000	Fleming
207	11/4/53	NA-192	U/Chi ONR	90-200-V-55	336	W-9	712	Fleming
208	11/5/53	AF-230	Toastmaster (Ferguson Pk.)	15R-235-DB-39-45	13-1/2	Spec2	44	Fleming
209	11/11/53	AF-242	Gopher	116-200-V-10	(970)	W-7	1645	Ripley
210	11/11/53	AF-242	Gopher	92.5-250-V-56	476	W-10	2000	Ripley
211	11/12/53	AF-242	Gopher	92.5-250-V-60	444	Spec.	2000	Ripley
212	11/12/53	AF-230	Toastmaster	15R-235-DB-58	14	Spec. 14	48	Ripley
213	11/17/53	AF-230	Toastmaster	104			54	Fleming
14	11/17/53	AF-230	Toastmaster	55			45	Fleming
215	11/18/53	AF-230	Toastmaster	111			47	Fleming
216	11/30/53	AF-230	Toastmaster	Double Target 136			50	Fleming
217	12/2/53	AF-230	Toastmaster	68, 89, 100 & 101			140	Fleming
218	12/6/53	AF-230	Toastmaster	125			55	Fleming
219	12/8/53	AF-222	Ferguson Gopher	45-116-200-V-			2000	Ripley
220	12/12/53	NA-192	U/Chi ONR	90-2x100-V-58			703	Fleming
221	12/13/53	AF-230	Toastmaster	15R-235-DB-126			56	Fleming
222	12/14/53	AF-230	Toastmaster	Double Target 138			71	Fleming
223	12/14/53	AF-230	Toastmaster	127		Spec. 4	54	Fleming
224	12/16/53	AF-230	Toastmaster	165	WD-1		56	Fleming
5	12/16/53	AF-230	Toastmaster	166			39	Fleming

Flt. ɔ.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
226	12/16/53	AF-230	Toastmaster	154			39	Fleming
227	12/17/53	AF-230	Toastmaster	129		Sp 3	58	Fleming
228	12/17/53	NA-192	U/Chi ONR	90-2 x 100-V-65		XA-5	782	Fleming
229	12/19/53	AF-230	Toastmaster	Double Target 15-R-235-DB-137		SP 11	54	Fleming
230	12/19/53	AF-230	Toastmaster	182		SP 1	60	Fleming
231	12/20/53	AF-230	Toastmaster	R15-235-DB-192		WD-2	60	Fleming
232	12/22/53	AF-230	Toastmaster	Dble Target 150		SP 17	54	Fleming
233	12/22/53	AF-230	Toastmaster	Dble Target 157		--	54	Fleming
234	12/22/53	AF-230	Toastmaster	Dble Target 186		WD-3	65	Fleming
235	12/30/53	AF-230	Toastmaster	Dble Target 197		WD-5	58	Fleming
^36	12/30/53	AF-230	Toastmaster	Dble Target 207		WD-4	60	Fleming
237 thru 336	1/6/54	AF-230	Toastmaster					Great Fall Montana
337	1/31/54	NA-192	U/Ill. ONR	90-150-V-76		T-3	463	Goodfellow AFB
338	2/1/54	NA-192	U/Cornell ONR	90-2X100-V-71		T-6	567	"
339	2/2/54	NA-192	U/M ONR	90-2X100-V-64		T-5	562	"
340	2/4/54	NA-192	U/Chi ONR	90-2X100-V-72		T-2	534	"
341	2/5/54	NA-192	U/M ONR	116-200-V-18		T-4	1051	"
342	2/6/54	NA-192	U/M ONR	90-2X100-V-66		T-7	657	"
343	2/8/54	NA-192	U/M ONR	116-200-V-19		T-8	1178	"
344	2/9/54	NA-192	U/M ONR	90-150-V-77		T-9	570	"
345	2/12/54	NA-192	U/M ONR	90-2X100-V-67		WD-7 T-11	560	"

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
346	2/15/54	NA-192	U/M ONR	90-150-V-78		WD-7 T-11	508	Goodfellow AFB
347	2/17/54	NA-192	SUI ONR	90-2X100-V-68		T-12	561	"
348	2/18/54	NA-192	U/Ill ONR	90-150-V-79		WD-8 T 8	441	"
349	2/18/54	NA-192	SUI/U/Chi ONR	90-2X100-V-73		WD-6 T-10	574	"
350 thru 359	3/18/54	AF-230	Barbershop					GreatFalls Montana
360 thru 369	3/21/54	AF-230	Barbershop					"
370	4/23/54	NA-261	ONR	Destruction Test 39.5-150-V-2	50	--	1563	U/M Hockey Rink
.1	4/29/54	NA-261	ONR	Destruction Test TD 39-250-V-1	108	--	1201	"
372	5/6/54	AF-253	Barbershop	17R-235-DB-270	25-1/2	--	60	Fleming
373	5/18/54	AF-253	Barbershop	17R-235-DB-271	27	--	60	Fleming
374	5/25/54	AF-259	Aero Med.	73-100-V-4	116	21	259	Fleming
375	6/2/54	AF-230	Barbershop	17R-235-DB-274	28	--	59	Fleming
376	6/4/54	AF-230	Barbershop	17R-235-DB-282	28	--	59	Fleming
377	6/30/54	NA-272	ONR	116-200-V-28	495	X1	1255	Fleming
378	6/30/54	NA-272	ONR	116-200-V-20	507	X2	1323	Fleming
379	7/7/54	AF-259	AeroMed.	120-150-V-8	384	21	796	Fleming
380	7/15/54	AF-259	Aero Med.	120-150-V-5	374	22	801	Sault Ste. Marie
381	7/18/54	AF-259	Aero Med.	120-150-V-7	387	23	883	"

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
382	7/21/54	AF-259	Aero Med.	120-150-V-6	386	24	809	Sault Ste. Marie
383	7/25/54	AF-259	Aero Med.	120-150-V-10	385	26	821	"
384	7/29/54	AF-259	Aero Med.	120-150-V-9	383	26	869	"
385	8/2/54	AF-259	Aero Med.	120-150-V-17	383	25	889	"
386	8/6/54	AF-259	Aero Med.	120-150-V-16	407	23	919	"
387	8/10/54	AF-259	Aero Med.	116-200-V-27	479	27	998	"
388	8/24/54	NA-267	NYU ONR	92.5-200-V-101	325	29	654	Fleming
389	8/28/54	NA-267	NYU ONR	92.5-200-V-100	321	30	568	Fleming
390	8/29/54	NA-267	NYU ONR	92.5-200-V-99	318	28	644	Fleming
391	9/11/54	AF-230	Barbershop	17R-235-DB-291	30	--	70	Fleming
392	9/22/54	NA-267	NYU ONR	73-100-V-56	153	--	258	St. Cloud
393	9/22/54	NA-267	NYU ONR	73-100-V-49	152	--	255	St. Cloud
394	9/22/54	WI-277	WRI	23-200-V-9	20	17	48	Fleming
395	9/22/54	NA-267	NYU ONR	72.8-100-V-125	149	--	243	St. Cloud
396	9/25/54	AF-230	Barbershop	17R-235-DB-291	30-1/2	--	61	Fleming
397	9/26/54	AF-230	Barbershop	17R-235-DB-290	30	--	61	Fleming
398	9/27/54	AF-230	Barbershop	17R-235-DB-316	28	--	60	Fleming
399	10/9/54	AF-230	Barbershop	17R-235-DB-301	28-1/2	--	60	Fleming
400	10/16/54 10/17/54 10/18/54	AF-278	Cambridge	128 TT ? Inflation test		--	--	Lakehurst N. J.
401	10/20/54	NA-267	Cal Tech ONR	73-125-V-24	176	30	291	Fleming
402	10/20/54	NA-267	ONR	73-125-V-58	177	29	374	Fleming

Flt.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
403	10/20/54	AF-230	Barbershop	17R-235-DB-302	26-1/2	--	56-1/4	Fleming
404	10/20/54	AF-230	Barbershop	17R-235-DB-306	24-1/2	--	54-1/2	Fleming
405	10/21/55	NA-288	ONR	23-125-V-57	178	34	330	Fleming
406	10/21/54	WI-277	WRI	23-200-V-9	20	9	49	Fleming
407	10/21/54	AF-230	Barbershop	17R-235-DB-307	26	--	60	Fleming
408	10/21/54	AF-230	Barbershop	17R-235-DB-299	29	--	60	Fleming
409	10/21/54	AF-230	Barbershop	17R-235-DB-310	25		60	Fleming
410	10/23/54	AF-230	Barbershop	17R-235-DB-311	26	14	71	Fleming
411	10/23/54	AF-230	Barbershop	17R-235-DB-304	26	--	60	Fleming
412	10/27/54	AF-230	Barbershop	17R-235-DB-303	24-1/2	--	61	Fleming
413	10/27/54	AF-230	Barbershop	17R-235-DB-305	24-1/2	--	61	Fleming
414	11/2/54	NA-	ONR	72.8-100-V-77	157	--	685	Camp Ripley
415	11/2/54	AF-278	Cambridge	128TT-200-V-	537	31	2160	"
416	11/5/54	WI-292	Cambridge	128TT-200-V-9	546	35	2160	Fleming
417	11/9/54	WI-	WRI	23-100-V-	27-1/4	11	48	"
418	11/11/54	NA-285	ONR	73-100-V-153 23-200-V-28	155	36	357	"
419	12/3/54	NA-267	ONR	73-100-V-150	190	38	289	"
420	12/4/54	AF-278	Cambridge	128TT-200-V-12	558	W-21	2160	"
421	12/20/54	CO-326	RFE	Skypak 130	1-1/4	--	6-3/4	"
422	12/23/54	CO-326	RFE	Skypak 130	1-1/4	--	5-3/4	"
423	1/11/55	NA-267	U/Chi ONR	92.5-200-V-115	332	46	586	Goodfellow AFB
424	1/11/55	NA-267	U/M ONR	120-150-V-19	433	41	733	"
425	1/12/55	NA-267	SUI ONR	92.5-200-V-114	332	40	602	"

Flt.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
426	1/12/55	NA-215	U/M ONR	75-2X100-V-400	434	--	658	Goodfellow AFB
427	1/13/55	NA-267	ONR Europe	92.5-150-V-117	268	47	540	"
428	1/13/55	NA-267	U/M ONR	120D-150-V-20	421	42	736	"
429	1/17/55	NA-267	U/Chi ONR	92.5-150-V-118	275	46	535	"
430	1/17/55	NA-267	SUI ONR	92.5-150-V-122	249	42	521	"
431	1/19/55	NA-267	U/Chi ONR	92.5-150-V-116	237	48	378	"
432	1/19/55	NA-267	SUI ONR	120-200-V-18	493	43	778	"
433	1/22/55	NA-267	SUI ONR	92.5-150-V-120	269	38	546	"
434	1/24/55	NA-267	U/Chi ONR	92.5-150-V-119	273	39	491	"
435	1/24/55	NA-267	U/Chi ONR	49-200-V-161	93	38	203	"
				Inflation & Diffusion Test				
436	4/14/55	NA-215	U/M ONR	39-200-V-	90	--	1098	U/M Hockey Rink
437	4/22/55	CO-326	RFE	23-200-V-139	21	Marker	111	Fleming
438								
439								
440								
441								
442								
443								
444								
445								
446								
447								
448								
449								
450	1/20/55	AF-230	Barbershop	17R-235-DB-293	28-3/4	--	61	Vernalis
451	1/20/55	AF-230	Barbershop	17R-235-DB-294	28-3/4	--	61	"
452	1/20/55	AF-230	Barbershop	17R-235-DB-296	27-1/4	--	61	"
3	1/20/55	AF-230	Barbershop	17R-235-DB-297	27-1/2	--	61	"
454	1/20/55	AF-230	Barbershop	17R-235-DB-298	27-1/2	--	61	"

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
455	1/20/55	AF-230	Barbershop	17R-235-DB-307	27-1/2	--	61	Vernalis
456	1/20/55	AF-230	Barbershop	17R-235-DB-314	27-1/2	--	61	"
457	1/20/55	AF-230	Barbershop	17R-235-DB-315	27-1/2		61	"
458	1/20/55	AF-230	Barbershop	17R-235-DB-324	27-3/4		61	"
459	1/20/55	AF-230	Barbershop	17R-235-DB-325	27-3/4		61	"
460	3/4/55	AF-230	Barbershop	17R-235-DB-335	25		61	"
461	3/4/55	AF-230	Barbershop	17R-235-DB-326	25		61	Vernalis
462	3/4/55	AF-230	Barbershop	17R-235-DB-327	25		61	"
463	3/4/55	AF-230	Barbershop	17R-235-DB-328	25		61	"
464	3/4/55	AF-230	Barbershop	17R-235-DB-329	25		61	"
465	3/4/55	AF-230	Barbershop	17R-235-DB-330	25		61	"
466	3/4/55	AF-230	Barbershop	17R-235-DB-331	25		61	"
467	3/4/55	AF-230	Barbershop	17R-235-DB-332	25		61	"
468	3/4/55	AF-230	Barbershop	17R-235-DB-333	25		61	"
469	3/4/55	AF-230	Barbershop	17R-235-DB-334	25		61	"
470	4/26/55	AF-232	Barbershop	17R-235-DB-275	27.5	--	60	St. Cloud
471	5/13/55	AF-232	Barbershop	17R-235-DB-336	24	--	60	Vernalis
472	5/13/55	AF-232	Barbershop	17R-235-DB-337	24	--	60	"
473	5/13/55	AF-232	Barbershop	17R-235-DB-338	24	--	60	"
474	5/13/55	AF-232	Barbershop	17R-235-DB-339	24	--	60	"
475	5/13/55	AF-232	Barbershop	17R-235-DB-340	24	--	60	"
476	5/13/55	AF-232	Barbershop	17R-235-DB-341	24	--	60	"
477	5/13/55	AF-232	Barbershop	17R-235-DB-342	24	--	60	"

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
478	5/13/55	AF-232	Barbershop	17R-235-DB-343	24	--	60	Vernalis
479	5/13/55	AF-232	Barbershop	17R-235-DB-345	24	--	60	Vernalis
480	5/13/55	AF-232	Barbershop	17R-235-DB-346	24	--	60	"
481	5/13/55	CO-326	RFE	23-200-V-442	21	Spec.	150	"
482	6/16/55	AF-232	Barbershop	17R-235-DB-	24	--	60	Lowry AFB
483	6/16/55	AF-232	Barbershop	17R-235-DB	24	--	60	"
484	"	"	"		24	--	60	"
485	"	"	"		24	--	60	"
486	"	"	"		24	--	60	"
487	"	"	"		24	--	60	"
488	"	"	"		24	--	60	"
489	"	"	"		24	--	60	"
490	"	"	"		24	--	60	"
491	"	"	"		24	--	60	"
492	6/14/55	NA-317	Stratolab	73-200-V-284	218	45	517	Fleming
493	6/16/55	NA-317	ONR Stratolab	45-200-V-107	83	45	206	Fleming
494	6/24/55	NA-317	"	73-200-V-282	218	45	450	Fleming
495	6/30/55	NA-317	"	73-200-V-	227	45	459	"
496	7/7/55	NA-267	SUI ONR	120-150-V-24	376	44	623	"
497	7/12/55	AF-316	Rome AFB	17-235-DB-	25	--	59	St. Cloud
498	7/18/55	AF-336	Aero Med	173-120-V-1	509	1	709	Fleming
499	7/19/55	AF-336	Aero Med	173-120-V-2	550	1	716	Fleming
500	8/1/55	AF-33	SUI ONR	120-120-V-27	290	44	537	Int. Falls

Flt. #	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
501	8/1/55	AF-336	Aero Med	173-120-V-4	509	3	812	Int. Falls
502	8/5/55	AF-336	"	173-120-V-5	500	4	880	Int. Falls
503	8/8/55	AF-336	"	173-120-V-6	502	2	892	Int. Falls
504	8/11/55	AF-336	"	120-150-V-26	367	6	776	Int. Falls
505	8/19/55	NA-317	Stratolab	128TT-200-U-53	574	46	2438	Fleming
506	8/22/55	AF-336	Aero Med	173-120-V-8	526	3	958	Int. Falls
507	8/31/55	AF-336	"	173-120-V-9	542	6	993	"
508	9/1/55	AF-336	"	173-120-V-10	563	Marker	753	"
509	9/11/55	NA-317	Stratolab	128TT-200-V-55	579	46	2535	Ripley
510	9/12/55	AF-336	Aero Med	173-120-V-11	507	Marker	711	Fleming
511	9/20/55	NA-356	NRL	73-200-V-145	166	Marker	822	Fleming
512	9/20/55	AF-336	Aero Med	173-200-V-12	505	Marker	716	"
513	9/28/55	NA-356	NRL	73-200-V-146	168	Marker	873	"
514	9/28/55	NA-356	NRL	73-200-V-148	163	Marker	880	"
515	--							
516	9/23/55	NA-341	SUI (McD)	72.3-150-V-116	130	--	208	Greenland Rockoons
517	9/24/55	NA-341	"	72.3-150-V-125	130	--	417	"
518	9/24/55	NA-341	"	72.3-150-V-137	130	--	208	"
519	9/24/55	NA-341	"	72.3-150-V-144	130	--	209	"
520	9/27/55	NA-341	NRL (Meredith)	72.3-150-V-133	130	--	426	"
521	9/27/55	NA-341	SUI (McD)	72.3-150-V-134	130	--	418	"
522	9/27/55	NA-341	NRL (Kupperian)	72.3-150-V-143	130	--	414	"

Flt.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
523	9/27/55	NA-341	SUI (McD)	72.3-150-V-141 142	130	--	209	Greenland Rockoons
524	9/28/55	NA-341	SUI (McD)	72.3-150-V-123	130	--	418	"
525	9/28/55	NA-341	NRL (Meredith)	72.3-150-V-140	130	--	426	"
526	9/28/55	NA-341	SUI (McD)	72.3-150-V-127	130	--	416	"
527	9/28/55	NA-341	NRL (Kupperian)	72.3-150-V-121	130	--	409	"
528	9/29/55	NA-341	SUI (McD)	72.3-150-V-122	130	--	418	"
529	9/29/55	NA-341	SUI (McD)	72.3-150-V-115	130	--	418	"
530	9/29/55	NA-341	SUI (McD)	72.3-150-V-120	130	--	416	"
531	9/30/55	NA-341	ONR (Transosonde)	120.8-150-V-25	381	--	690	"
532	9/30/55	NA-341	"	39.5-200-V-1	61	--	475	"
533	9/30/55	NA-341	"	72.3-150-V-126	130	--	670	"
534	9/30/55	NA-341	SUI (McD)	72.3-150-V-139	130	--	208	"
535	10/1/55	NA-341	ONR (Transosonde)	39.34-200-V-?	63	--	495	"
536	10/4/55	NA-341	SUI (McD)	72.3-150-V-134	130	--	208	"
537	10/6/55	NA-341	NRL (Meredith)	72.3-150-V-135	130	--	425	Greenland Rockoons
538	10/6/55	NA-341	SUI (McD)	72.3-150-V-132	130	--	417	"
539	10/11/55	NA-341	SUI (Mcd)	72.3-150-V-130	130	--	417	"
540	10/11/55	NA-341	NRL (Meredith)	72.3-150-V-131	130	--	425	"
541	10/13/55	NA-341	"	72.3-150-V-117	130	--	425	"
542	10/13/55	NA-341	SUI (McD)	72.3-150-V-118	130	--	417	"
543	10/13/55	NA-341	SUI (McD)	72.3-150-V-119	130	--	417	"
544	10/13/55	NA-341	NRL (Meredith)	72.3-150-V-129	130	--	425	"
545	10/13/55	NA-341	SUI (McD)	72.3-150-V-128	130	--	417	"

Flt.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
546	10/14/55	NA-341	SUI (McD)	72.3-150-V-136	130	--	208	No launch-Rocket Failure
547	10/25/55	NA-267	U/Md. ONR	92.5-150-V-121	288	46	493	Fleming
548	1/23/56	AF-360	Aero Med	75-200-V-411	227	Spec.	519	Fleming
549	2/3/56	AF-360	Aero Med	75-200-V-412	234	Spec.	539	Fleming
550	2/9/56	AF-360	Aero Med	75-200-V-413	229	Spec.	560	Fleming
551	Skypak Tests--Austin, Minnesota							Austin
552	3/13/56	NA-379	SUI (McD)	172.6-150-V-19	670	1	1101	Iowa City
553	3/20/56	NA-379	SUI (McD)	172.6-120-V	537	2	827	Iowa City
554	4/20/56	AF-383	Aero Med	92.5-200-V-123	312	Spec.	799	Fleming
555	5/19/56	NA-390	Stratolab	173-200-V-20	1187	6	5007	Ripley
556	6/1/56	NA-340	Camera ONR	90-200-V-48	317	5	655	Fleming
557	6/2/56	NA-354	ONR (Hurr. Ball)	11.25-2X150-Y-		--	CO_2 90#	St. Croix River
558	6/5/56	NA-354	"	11.25-2X150-Y-			"	"
559	6/8/56	AF-253	Barbershop	Missile Test (5)	--	--	--	St. Croix River
560 thru 656	5/9/56	AF-316	Barbershop	17R-235-OB-	24	--	60-1/2	Vernalis
657	Cancelled							
658	6/ /56	NA-354	ONR (Hurr. Ball)	11.25-2X150-V-		--	CO_2 90#	St. Croix River
659	6/14/56	NA-354	ONR (Hurr. Ball)	11.25-2X150-V-			CO_2 90#	"
660	6/19/56	AF-253	Barbershop	Missile Test (2)	--	--	30 total	"
661	6/22/56	NA-354	ONR (Hurr. Ball)	11.25-2X150-Y-		--	CO_2 90#	"

Rt.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
662	6/29/56	AF-383	Man Flight	31.5-200-V-2	49	--	830	Fleming
663	7/6/56	AF-316	Barbershop	17R-235-DB	26	49	44	"
664	7/10/56	"	"	17R-2256-DB	265	51	48.5	"
665	7/11/56	NA-390	Stratolab	173-200-V-21	1090	6	4500	Crosby
666	July 1956	NA-353	Rockoon	72.3-150-V-157	124	--	400	USS Colonial
667	"	"	"	72.3-150-V-151	115	--	391	"
668	"	"	"	72.3-150-V-158	125	--	401	"
669	"	"	"	72.3-150-V-150	114	--	390	"
670	"	"	"	72.3-150-V-154	115	--	391	"
671	"	"	"	72.3-150-V-155	115	--	391	"
2	"	"	"	72.3-150-V-149	115	--	391	"
673	"	"	"	72.3-150-V-159	125	--	401	"
674	"	"	"	72.3-150-V-156	116	--	392	"
675	"	"	"	72.3-150-V-152	117	--	393	"
676	7/23/56	WI-413	Stratolab	173-200-V-22	1155	6	3500	Crosby
677	7/26/56	AF-316	Barbershop	17R-2252	22	50	50	Fleming
678	7/31/56	WI-380	Man Flight	39.34-200-V-209	82	--	1460	Hideaway
679	8/1/56	WI-380	Man Flight	39.34-200-V-210	79	--	1458	"
680	8/6/56	WI-413	Stratolab	173-200-V-23	1156	6	3506	Crosby
681)	8/2/56	AF-316	Barbershop	24) 17R-235-DB-	24	--	56	Vernalis
) 709)	8/2/56	AF-316	Barbershop	5) 12-200-V 12-335-VD		--	61	Vernalis

Flt.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
710	8/17/56	NA 379	SUI(Skyhook)	175-120-V-3	530		865	Fleming
711	8/20/56	WI-413	Stratolab	173-200-V-24	1129	6	3474	Crosby
712	8/21/56	NA-379	SUI (Skyhook)	175-120-V-4	541		903	Fleming
713								
714	9/6/56	NA-379	SUI(Skyhook)	120-120-V-27	270	4	505	Int. Falls
715	9/7/56	NA-379	"	120-120-V-28	276	5	605	"
716	9/12/56	CO-414	RFE	12 Skypak 260	--	--	--	Austin, Minn.
717	9/18/56	NA-379	ONR (U/M--Ney)	172.6-120-V-25	574	52	1136	Crosby
718	10/25/56	SE-409	ONR	34-250-V-1	65	-	1100	U/M (Inflation)
9	11/2/56	CO-414	RFE	S-130 & S-260	-	-	-	St. Cloud
720	11/9/56	AF-253	Barbershop	17R-235-DB-2284 17R-235-DB-2243	22-1/2 Spec. 22-1/2		136	Fleming
721	11/13/56	AF-383	Aero Med	39.34-2X150-V-254 97	-		Skypak 36 1250(1300)	Crosby
722	11/17/56	AF-383	Aero Med	200-120-V-1	724	-	2004	Crosby (broke)
723	12/2/56	AF-383	Aero Med	200-120-V-3	716	-	1970	Crosby (broke)
724	12/17/56	AF-383	Aero-Med	200-120-V-4	776	-	2050	Crosby
725	12/19/56	AF-383	Aero Med (low level)	39.34-200-V-216	76	-	1550	WRI plant

It. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
726	12/31/56	AF-383	Aero Med Launch Test	23-100- - 728-100-D-287	145	-	398	WRI plant
727	1/2/57	CO-414	RFE	S-260	7½	-	8	St.Francis Minn.
728	1/2/57	CO-414	RFE	S-260	7½	-	8	St.Francis Minn.
729	1/2/57	CO-414	RFE	S-260	7½	-	8	St.Francis Minn.
730	1/2/57	CO-414	RFE	S-260	7½	-	8	St. Franci Minn.
731	1/28/57	NA-418	ONR-SKYHOOK	172.6-150-V-26	621	37	1238	Guam
732	1/30/57	NA-418	ONR-SKYHOOK	172.6-100-V-31	438	38	956	Guam
733	2/2/57	NA-418	ONR-SKYHOOK	172.6-120-V-28	528	39	985	Guam
734	2/7/57	NA-418	ONR-SKYHOOK	172.6-120-V-27	531	33	1254	Guam
735	2/9/57	NA-418	ONR-SKYHOOK	172.6-120-V-29	535	33	1124	Guam
736	2/10/57	NA-418	ONR-SKYHOOK	120.8-120-V-29	260	1	563	Guam
737	2/10/57	NA-418	ONR-SKYHOOK	45-120-V-195	52	-	109	Guam
738	2/11/57	NA-418	ONR-SKYHOOK	120.8-120-V-30	260	30	649	Guam
739	2/12/57	NA-418	ONR-SKYHOOK	120.8-100-V-31	222	1	565	Guam
740	2/13/57	NA-418	ONR-SKYHOOK	172.6-075-V-30	352	31	716	Guam
741	2/13/57	NA-419	ONR-SKYHOOK	45.120-V-	52	-	167	Guam
742	2/20/57	NA-418		172.6-200-V-7	975	33	1881	Guam
743	-	-	-	-	-	-	-	-
744	2/27/57	WI-416	AF-	23-150-V-756	48	-	-	WhiteSands
745	3/1/57	WI-416	AF	23-150-V-757	48	-	-	WhiteSands
746	3/17/57	AF-383	Aero Med	1288TT-GMI-1057	554	Spec.	1020	Fleming
747	3/21/57	AF-383	Aero Med	200-120-V-6	827	AF383	1931	Fleming

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
748	4/1-2/57	CO-433	Todd	25.3-200-V-	74	-	-	Chicago
749	4/14/57	AF-383	Aero Med	200-150-V-9	1046	AF-383	2133	Fleming
750	4/18/57	WI-416	Aero Med	23-150-V-756	48	-	-	WhiteSands
751	4/20/57	WI-416	Aero Med	23-150-V-757	48	-	-	WhiteSands
752	4/27/57	AF-383	Aero Med	200-120-V-5	783	31	1870	Fleming
753	4/30/57	AF-383	Aero Med	23-150-V-	45	-	366	Fleming
754	4/30/57	AF-383	Aero Med	3934-200-V255	72	-	1112	Fleming

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
755	6/2/57	AF-383	Aero Med	172.6-200-V-33	941	383-1	2478	Fleming
756	6/19/57	CO-424	RFE	3 S-260's	2 ea.	-	Hydrogen	Anoka
757	6/27/57	AF-400	AFCRC - (Goldberg)	92.5-150-V-136	228	G-1	918	Fleming
758	7/1/57	AF-400	AFCRC - (Goldberg)	92.5-150-V-138	213	G-1	883	Fleming
759	7/9/57	AF-400	AFCRC - (Goldberg)	92.5-150-V-140	246	G-2	922	Fleming
760	7/10/57	AF-400	AFCRC - (Goldberg)	92.5-150-V-137	245	G-2	950	Fleming
761	7/22/57	AF-400	AFCRC - (Goldberg)	92.5-150-V-139	240	G-2	870	Fleming
762	7/23/57	AF-400	AFCRC - (Goldberg)	92.5-150-V-141	236	G-2	888	Fleming
763	7/30/57	AF-400	AFCRC - (Goldberg)	92.5-150-V-134	273	G-1	908	Fleming
764	8/6/57	CO-424	RFE	S-260	3¼	-	Hydrogen	Crystal Airport
765	8/6/57	CO-424	RFE	S-260	3½	-	Hydrogen	Crystal Airport
66	8/10/57	AF-383	Aero Med	39-34-200-V	70	-	1544	Fleming
767	8/19/57	AF-383	Aero Med	200-150-V-13	958	Spec	3228	Crosby
768	9/5/57	NA-450	ONR - (Schein)	200-075-V-12	493	4	925	Fleming
769	9/14-57	NA-450	ONR - (Schein)	200-075-V-14	502	4	905	Fleming
770	10/18/57	NA-458	ONR - (Stratolab)	172.6-200-V-36	1030	Spec	4165	Crosby
771	10/27/57	NA-450	ONR (McD)	172.6-200-V-38	666	5	1100	Fleming
772	11/10/57	CO-467	AAA	128-200-V-65	539	N-1	3100	Fleming

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
773		WI-(Held for radar test)		17R		-	Hydrogen	Denver
774		WI-(Held for radar test)		17R		-	"	"
775	1-17-58	CO-467	NAA	120-2X150-V-34	686		3257	ElCentro
776		(WI-460 Held for Cross-country)						SanDiego
777	1-31-58	CO-467	NAA	120-2X150-V-35	690		3261	ElCentro
778	2-16-58	NA-450	ONR(McD)	172.6-150-V-39	664		1094	Fleming
779	4-11-58	AF-496	Aero Med	39-200-V-293	66	-	1651	Fleming
780	5-15-58	AF-491	Aero Med	200-150-V-11	930	Spec.	2541	Crosby
781	5-14-58	NA-511	NAMTC	315-235-DV-164	77	-	230	Pt. Mugu
782	5-28-58	AF-436	WADC(Dudrow)	150-120-V-8	371	436-1	610	Fleming
783	6-14-58	AF-496	Aero Med	39.34-200-V-272	83	-	1520	Fleming
784	6-17-58	AF-496	Aero Med	39.34-200-V-272	82	-	1716	Fleming
785	6-18-58	AF-496	Aero Med	45-2X150-V-218	138	-	2566	Fleming
786	6-19-58	WI-514	ONR(Haymes)	75-100-V-436	110	514-1	383	Fleming
787	6-21-58	AF-400	AFCRC(Stakutis)	128TT-200-V-60	536	400-2	885	Crosby
788	6-21-58	AF-400	AFCRC(Stakutis)	128TT-200-V-62	529	400-1	878	Crosby
789	6-21-58	AF-400	AFCRC(Stakutis)	128TT-200-V-61	527	400-3	876	Crosby
790	6-21-58	AF-400	AFCRC(Stakutis)	128TT-200-V-59	515	400-4	877	Crosby

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
791		NA-518	ONR(Med)					Fleming
792	7/19/58	AF-513	Aero-Med (JIG)	235.56-075-V-1	656	513-		Int. Falls
793	7/26/58	NA-475	ONR(Strato-Lab)	172.6-200-V-	1100	-	5229	Crosby
794	7/30/58	AF-513	Aero Med (JIG)	235.56-075-V-2	649	513-	974	Crosby
795	8/1/58	AF-436	WADC(Dudrow)	150-120-V-5	375	436-1	710	Fleming
796	8/7/58	AF-513	AeroMed (JIG)	235.56-075-V-3		513-	998	Crosby
797	8/13/58	AF-496	MANHIGH III	45- -V-219	139	-	2429	Fleming
798	8/26/58	AF-496	Sky-Chair	23-		-	325	Fleming
799	9/3/58	NA-532	Pt. Mugu	23R-235-DV-1	45	-	-	Pt. Mugu
800	9/25/58	AF-496	Sky-Car (Aero Med)	39.34-200-V-295	76	-	1594	Bismarck N.D.
01	9/27/58	AF-496	Sky-Car (Aero Med)	39.34-200-V-296	71	-	1571	Fleming
802	9/28/58	AF-496	Sky-Chair (Aero Med)	23-200-V-806	40	-	385	Fleming
803	10/7/58	AF-496	MANHIGH III	200-150-V-16	1048	-	(2300)	Holloman
803A	10/8/58	AF-496	MANHIGH III	200-150-V-17	994	-	3112	Holloman
804	10/18/58	CO-531	Goodyear	172.6-200-V-60	925	531-1	1940	Fleming
805	11/26/58	NA-475	Strato-Lab	72.3-150-V-178	123	Spec.	346	Strato-bowl
806	12/1/58	CO-531	Goodyear	172.6-200-V-59	938	531-1	1980	Strato-bowl
807	2/19/59	CO-531	Goodyear	172.6-200-V-62	927	531-1	1961	Crosby
808	11/26/58	NA-475	Strato-Lab	172.6-200-V-57	1060	Spec.	Burst 4077	Strato-bowl
809	4/13/59	NA-518	ONR(McDonald)	172.6-(150)-V-63 (120)	649	1001	1042	Fleming

Flt. No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Inflation	Launch Site
810	4/15/59	NA-475	Strato-Lab Destruction	45-200-V-241	104	-	3270	Hippodrome
811	4/22/59	NA-475	Strato-Lab	45-100-V-298	77	-	3090	"
812	4/29/59	NA-475	Strato-Lab	45-075-V-250	71	-	3509	"
813	5/8/59	NA-475	Strato-Lab	172.6-200-V-64	1070	-	7175	Crosby
814	5/16/59	NA-518	ONR(McDonald)	172.6-120-V-66	585	1001	956	Fleming
815	6/2/59	NA-475	Strato-Lab	172.6-200-V-65	1057	Spec.	5496	Crosby
816	6/20/59	NA-475	Strato-Lab	172.6-200-V-69	1094	Spec.	4380	Crosby
817	7/2/59	AF-436	WADC(Dudrow)	150-120-V-10	375	436-1	658 (balloon broke	Fleming
818	7/11/59	AF-436	WADC(Dudrow)	150-120-V-4	368	436-1	650	Fleming
819	7/20/59	AF-436	WADC(Dudrow)	150-120-V-7	376	436-1	660	Fleming
820	8/7/59	NA-475A	Skycar(ONR)	72.3-200-V-187	227	-	2829	Stratobowl
821	8/16/59	NA-518	ONR(Haymes)	Dewey & Almy J-7000	15-1/10	GMD	18-1/2	Fleming
822	8/11/59	NA-518	ONR(Haymes)	" " "	15-3/4	GMD	23-3/4	Fleming
823	8/12/59	NA-518	ONR(Haymes)	" " "	14-3/10	GMD	22-3/10	Flemin
824	8/12/59	NA-518	ONR(Haymes)	" " "	14-8/10	GMD	21-8/10	Flemin
825	8/14/59	NA-518	ONR(Haymes)	" " "	15-9/10	GMD	22-9/10	Flemin
826	8/15/59	NA-518	ONR(Haymes)	" " "	14-8/10	GMD	21-8/10	Flemin
827	8/15/59	NA-518	ONR(Haymes)	" " "	14-1.2	GMD	21-1/2	Fleming

Flt.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
828	8/24/59	NA-518	ONR (Haymes)	238.85-100-V-1	938	518-1	1710	Fleming
829	9/11/59	AF-436	WADC (Dudrow)	150-120-V-9	375	436-1	650	Fleming
830	9/14/59	AF-552	Goodyear	172.6-200-V-72	953	552-1	2177	Fleming
831	9/4/59	AF-552	Goodyear	172.6-200-V-71	942	552-1	2096	Akron
832	9/17/59	NA-518	ONR (MIT)	200.2-100-V-19	633	518-1	2400	Crosby
833	9/17-18/59	NA-547	Schein destruction	290-75-100x150-V-1	2555	-	14675	Crosby
834	10/4/59	AF-552	Goodyear	172.6-200-V-74	956	552-1	1992	Fleming
835	10/13-14/59	NA-475	ONR(strato-Lab)	172.6-200-V-75	1100		5015	Stratobowl
836A	10/22/59	NA-475	ONR(Strato-Lab)	72.3-200-V-176	219		869	Stratobowl
836B	11/3/59	NA-475	ONR(Strato-Lab)	172.6-200-V-73	1090		4930	Stratobowl
[illegible]	11/7/59	NA-475	ONR(Strato-Lab)	72.3-150-V-177	124		400	Stratobowl
838	11/28-29/59	NA-475	Strato-Lab (hot flight)	172.6-200-V-78	1100			Stratobowl
839	12/14/59	NA-547	ONR (Schein test)	290.75-100x150-V-2	2563	547-1	4740	Stratobowl
840	1/17/60	NA-562	U/Chi (Schein)	120.8-100-V-42	239	WB	350	SanJuan, PR
841	1/18/60	"	"	-44	246	WB	353	"
842	1/19/60	"	"	-43	240	WB	362	"
843	1/20/60	"	"	-47	253	WB	362	"
844	1/21/60	"	"	-45	250	WB	362	"
845	1/22/60	"	"	-46	254	WB	362	"
846	1/23/60	"	"	-48	249	WB	362	"
847	1/24/60	"	"	-50	248	WB	348	"
[illegible]	1/25/60	"	"	-49	245	WB	352	"

Flt. N.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
849	1/26/60	NA-562	U/Chi(Schein)	120.8-100-V-52	245	WB	352	SanJuan, PR
850	1/27/60	"	"	-53	256	WB	354	"
851	1/28/60	"	"	-54	256	WB	352	"
852	1/29/60	"	"	-51	252	WB	352	"
853	1/30/60	"	"	-55	253	WB	352	"
854	1/31/60	"	"	-56	256	WB	352	"
855	1/23/60	NA-547	ONR(Schein)	120.8-100-V-38	246	1009	353	Valley Forge (no flight)
856	1/24/60	NA-547	"	120.8-120-V-37	287	1009	365	Valley Forge
857	1/25/60	NA-547	"	172.6-200-V-79	1082	1012	3182	Valley Forge
858	1/25/60	NA-547	"	120.8-120-V-36	296	1010	376	"
8[illegible]	1/26/60	NA-547	"	290.75-100x100-V-3	1760	1003P	5178	"
860	1/29/60	NA-547	"	120.8-100-V-40	246	1011	355	"
861	1/30/60	NA-547	"	290.75-100x100-V-4	1750	1019	5060	"
862	1/31/60	NA-547	"	290.75-100x100-V-5	1745	1005C 1015	5465	" (no flight)
863	3/29/60	940	NASA proposal	3 7' cluster	-	-	-	Hippodrome
864	7/1/60	NA 518	ONR-U/M	238-100-V-4	966	1024	1377	Fleming
865	7/1/60	NA 518	ONR-MIT	238-150-V-3	1460	1004	3460	Fleming
866	5/17/60	NA 547	ONR	172.6-200-V-58	1057	-	2500	Glynco, Ga.
867	5/21/60	NA-547	ONR	172.6-200-V-80	1119	-	2500	"
868	5/20/60	NA-547	ONR-U/Chi.	120-100-V-57	233	1011	419	"
869	5/25/60	NA-547	ONR-U/Chi.	120-100-V-58	235	1013	370	"
870	5/28/60	NA-547	ONR	172.6-200-V-80	1119	-	4116	"
871	6/3/60	NA-547	ONR-U/Chi.	290-100x100-V-7	1877	4	5706	"

Flt No.	Date	Project No.	Sponsor	Balloon No.	Wt.	Beacon No.	Gross Infla-tion	Launch Site
872	5/30/60	NA-547	ONR U/Chi	120-100-V-39	246	1016	443	Glynco, Ga.
873	6/5/60	NA-547	ONR-U/Chi	290-100x100-V-8	1882	1015	5666	"
874		NA-518	ONR-U/M	238-100-V-5				Fleming
875	7/27/60	NA-475A	ONR-SkycarII	PA-45-200-SC-252	115	Marker	2838	Fleming
876		NA-518						
877								
878	11/17/60	NA-518	ONR-U/M	172.6-120-N-68	572		1102	Fleming
879	9/30/60	NA-518A	ONR	66-GMI-697	236	1004	511	Fleming
880	9/27/60	NA-570	NSF/MIT	150-075-V-13	280	1023	525	Fleming
881	10/24/60	WI-535	WRI	11.25	13		49-1/2	Plant
882	Not flown	NA-518	U/M-Earl	172.6-005-V085	387			
883	2/22/61	NA-597	ONR-dummy flight	45-0012-V-192	52		71.0	U/M Brighton
884	4/28/61	NA-475A	ONR-Sky	45-200-V-251	113		1704	USS Antietam
885								
886	4/11/61	NA-597	ONR test flt.	PA-172.6-200-NS-01-67	1079	1025	3424	"
886	4/13/61	NA-597	ONR	66-200-V-67	217	1025	1995	"
887	5/4/61	NA-597	ONR-SL V	PA-290.75-100-NSC-01-6	1870	1027	4750	"
888	6/16/61	NA-518	U/M-Earl	PA-172.6-050-NS-86	384	1024	692	Fleming
889	6/20/61	NA-518	U/M-Earl	PA-120.8-100-NS-59	245	1004	548	Fleming
890	7/19/61	NA-518	U/M-Earl	PA-172.6-050-NS-85	387	1024	663	Fleming
891	7/25/61	NA-475A	ONR	39.34-200-V-305	88		1598	Fleming
892	7/28/61	NA-475A	ONR	45-200-V-253	130		Aborted	Fleming
893, 894, 895	10/9/61	NA-630	ONR	PA-23-250-SC-807	46		300	Southport

Flt. No.	Date	Proj. #	Sponsor	Balloon #	Wt.	Beacon #	Gross Infl.	Launch Site
896 897 898	10/15/61	NA 630	ONR	PA-45-250-SC-254	129	2297	2297	Fleming
899	4/17/62	ARC 1017	Armour	PA-23-250-SC-808	45		300	Southport
900	CANCELLED - TC							
901 902 903	4/21/62	NA 1038	ONR	PA-23-250				El Centro
904	4/22/62	NA 1038	ONR	39.34-250-306	96		1715	El Centro
905	4/23/62	NA 1038	ONR	45.-2X100-256	130		2000	El Centro
906	CANCELLED							
907	4/30/62	1026	T.C. Flight	72.3	240		3900	El Centro
908	6/11/62	NA 518	U/Min-Earl	PA 238.5-075-NS 237.25		1024	1073.75	Southpor
909	8/21/62	NA 518	U/Min-Earl	PA-238.5-075-NS 761			1272	Fleming
910	8/17/62	NA 518	NRL Mastenbrook	PA-150-100-NS-02	369		661	Fleming
911	8/22/62	NA 518	NRL Mastenbrook	PA-150-100-NS-39	304		697	Fleming
912	12/14/62	MIT 1088	Dr. Chapman	PA-150-075-NS-40			986	Fleming
913 through 919	NOT USED							
920 through 964	ARC 1017		Armour Research Foundation Operation "Fishbowl" launched from American Samoa, June 1962 through November 1962					
965 through 980	NOT USED							
981	12/8/62	NCAR 1092	NCAR	37	392		1070	Page, Ariz.
982	12/12/62	NA 1038	ONR	PA-23-150	46	809	346	Fle-

Flt. No.	Date	Proj. #	Sponsor	Balloon#	Wt.	Beacon No.	Gross Infl.	Launch Site
983	12/21/62	NA 1038	ONR	PA-23-150	46	809	346	Fleming
984								
985								
986								
987		SAME AS 983						
988								
989								
990								
991								
992	1/15/63	NA1038	ONR	PA-45-250-255	129		2205	El Centro
993	1/16/63	NA1038	ONR	PA-39-34-307	98		1761	El Centro
994	1/17/63	NA1038	ONR	PA-45-150 SCDW-257	150		2150	El Centro
995	1/18/63	NA1038	ONR	PA-39.34-150-SCDW	309 89		1719	El Centro
996	3/22/63	MIT 1088	MIT	PA-150-075-NS				Fleming
997	5-15-63	NA 1122-3	NMC	PA-45-150-SCDW				Fleming
998	5-22-63	"	"	"				Fleming
999	5-24-63	"	"	PA-23-150-SCDW				Fleming
1000	5-30-63	"	"	PA-45-150-SCDW				Fleming
1001	NOT USED							
1002	8-7-63	NA 1126	ONR	PA-172.6-055-NS				Fleming
1003	8-20-63	"	"	"				Fleming
1004	9-9-63	"	"	"				Fleming
1005	9-14-63	"	"	PA-238.85-750-V				Fleming
1006	9-26-63	"	"	PA-172.6-075-NS-02				Fleming
1007	9-27-63	MIT 1088	MIT	150' dia				Fleming
1008	10-1-63	NA 1126	ONR	PA-172.6-075-NS-02 #107				Fleming

Flt. No.	Date	Project	Sponsor	Balloon #	Wt.	Beacon No.	Gross Infl.	Launch Site
1009	6-13-64	MIT1088	MIT	150-075-NS-43	307	125	873	Fleming Fld
1010	6-16-64	MIT1088	MIT	150-075-NS-44	308	125	889	Fleming Fld

WINZEN RESEARCH INC.

LIST OF MANNED FLIGHTS

Flight	Date	Pilot	Maximum Altitude	Duration of Flight	Suspended Load
USAF MANHIGH I	2 June 1957	Capt. J. W. Kittinger	96,000'	7 hours	1,213#
USAF MANHIGH II	19-20 Aug. 1957	Major D. G. Simons	101,500'	32 hours	1,710#
USN STRATO-LAB II	18 Oct. 1957	Lt. Cdr. M. D. Ross Lt. Cdr. M. L. Lewis	86,000'	10 hours	2,395#
USN STRATO-LAB III	26-27 July 1958	Cdr. M. D. Ross Lt. Cdr. M. L. Lewis	82,000'	34-1/2 hrs.	3,529#
USAF MANHIGH III	8 Oct. 1958	Lt. Clifton McClure	100,000'	12 hours	1,819#
USN STRATO-LAB IV	28-29 Nov. 1959	Cdr. M. D. Ross Charles B. Moore	81,000'	28-1/4 hrs.	3,897#
HALOG 1	7 Aug. 1959	Cdr. M. D. Ross Robert Copper	38,000'	8-1/2 hrs.	2,336#
USN STRATO-LAB V	4 May 1961	Cdr. M. D. Ross Lcdr. Victor A. Prather, Jr.	113,700'	9 hours	2,400#

MFG RECORD OF BALLOONS

Balloon Size Diameter	First Made Date	Last Made Date	Total Number made in Mils								Total
			.0005	.00075	.001	.0012	.0015	.002	.0025	Rodar	
290.75'	8-25-59	5-9-61		1	9						10
238.85'	7-28-59	8-8 61		5	19		1				25
235.56'	7 16 58	8-15-58		4					This design modified to 238.85		4
215.05'	6-26-59	7-20 60		4			1				5
210.86'	4-20-59	5-20 59					2				2
200.2'	11 1-55	6 1-61		4	3	7	8				22
199.78'	4-19-57	6-6-58		2			52				54
187.33'	6-6 58	6-6 58	1								1
175.45	11-29-56	8-21-57					21		1		22
172.6'	7-14-55	9-6 60	2	1	4	28	7	36	1	All records not available	86
167.4'	6-16-59	6-26-59						3			3
150'	9-30-57	9-1-61	2	1	8	9	13			Not all available	36
137.24TT	11-7-58	11 11-58	2								2
134.6'	9-24-57	5-15-61	2	4	4			5			15
128TT	7-30 54	3 16-61			1		2	93	1		97
122'	2-2 60	2-2 60					2				2
120.8'	5 21-54	4-27-60		2	23	7	21	6			59
115.8	1-20-60	1-20-60	2								2
92.5	1-15-53	11-30-60			38		59	67			164
87.23	11-27-57	12-26-57					13				13
85.9	2-28 58	4-28-61	18								18
75'	1952	6-25-58			58		39	183		Not all available	433
72.3'	9-1-53	7-8-60		5			54	153			212
70.38	11-27-57	12-20-57					15				15
63'TT	8-14 61	8-31 61	25								25
61'	3-13-59	4-6 59					2	1			3
61' Radar	12-11-57	10-16-58								25	25
60' Mylar	1955	1-8-56								1/4 mil mylar	12
56.7	5-21 58	6-16-58					10				10
47.92	8-14-59	1-29-60						10			10
45' Radar	5 29-58	10-7 58								22	22
45'	10-3-52	7-21-60		1	1	4	44	79	1	Not all available	253
42.75'	7-10-59	8-10-59	40								40

MFG RECORD OF BALLOONS CON'T

Balloon Size Diameter	First Made Date	Last Made Date	Total Number made in Mils								Total
			.0005	.00075	.001	.0012	.0015	.002	.0025	Rodar	
39' Radar	10-23-56	8-15-58								36	36
39.34	11-10-54	6-12 59					44	261			305
39'	12-18-56	3-7-57							21		21
34'	11-16-56	9-22-58							63		63
31'	10-23-56	1-22-57					30				30
31' Radar	10-56	9 16-58								165	165
28.93	5-28-59	6-8-59						9			9
23' Radar	7-11-58									1	1
23'	?	8-8 61					44	27	Not all available		807
20'	2-6-56	11-13 57					3	8	Not avail		33
37.4	8-16-55	8-55					24				24
37.4 N.D.	3-29-54	2-16-56					320	21			341
38'	8-29 55	8-55						10			10
83.3	9-14-53	5-6-54					2	129			131
80.2	8-4-53	4-12-54						48			48
70.2	8-13-53	5-4-54						72			72
49.25	8-4 53	3-15-54						161			161
48.4	7-9-53	4-23-54						100			100
34.32	7-20-53	10-10-53			6						6
34.75	7-20-53	11-4-53					9				9
116'	8-28-53	5-12-52				1	1	23	3		28
35.3	7-20-53	10-30-53						9			9
73'	1952	1954						22	Not all available		360
11.3	59	11-10-60						28			28
23'	4-7-55	3-58							Not all available		804
17' Radar	4-55	9-56								2285	2285
15' Radar	1953									69	69
12' Radar	1953	1954								24	24

TOTAL 7687

WINZEN RESEARCH INC.

FLIGHTS WITH 10,000,000 CUBIC FOOT BALLOON

Date	WRI Flt. No.	Launch Site	Gross Inflation	Payload	Duration	Remarks
12/14/59	839	Stratobowl, Rapid City, South Dakota	4740#	1807#	62^h	Excellent flight.
1/26/60	859	USS Valley Forge	5178	2902	8^h 28'	Excellent flight.
1/30/60	861	USS Valley Forge	5060	2722	26^h 35'	Excellent flight.
1/31/60	862	USS Valley Forge	5465	3050	-	Harness failure. No flight.
6/3/60	871	NAS Glynco, Ga.	5706	3162	-	Struck by lightning at 20,000 feet.
6/5/60	873	NAS Glynco, Ga.	5666	3121	7 days +	Release failure. Lost over Pacific Ocean.
5/4/61	887	USS Antietam	4750	2400	9 hours	Successful flight.

OCW

POLYETHYLENE BALLOON FLIGHT SUMMARY

Organization or Launch Site	Project	Period	Ball. Mfr.	Max. Ball. Size (MM)	Maximum Successful Gross Wt.	No. of Flts.	% of Success
Goodfellow	Ashcan	1-1-60-12-31-60	GMI	-	-	92	78.1
	Grabbag	1-1-60 12-31-60	GMI	-	-	92	56.7
	U. of Roch	1960	WRI	4.0	-	5	80.0
	TOTALS					189	67.5
Holloman	Misc.	1-1-59-9-1-61	GMI	3.208	3313	52	90.4
	Misc.	1-1-59-9-1-61	Raven	3.0	1866	21	71.4
	Misc.	1-1-59-9-1-61	WRI	5.0	4200	68	80.9
	TOTAL					141	79.5
ONR	Skyhook	1954-present	WRI	10.0	4400	50	82.0
	Skyhook	1954-present	Raven	6.0	1500	32	82.0
	Skyhook	1954-present	GMI	3.0	-	38	73.0
	TOTAL					120	80.0
VERNALIS	No Data Available						

TOTALS BY MANUFACTURER

	Total Flts.	% Successful
GMI	274	72.5
Raven	53	79.2
WRI	123	80.5

SUMMARY OF HOLLOMAN FLIGHTS

Co.	Size	Gross Max. OK	Inflation Max. Tried	No. of Flts.	No. of Succ.	No. of Failures Ball.	Other	% of Ball. Fail.
GMI	66 ft	1443	1443	10	10	0	0	0
	93 ft	1134	1134	1	1	0	0	0
	93.5 ft	1131	1131	1	1	0	0	0
	128 ft	1481	1481	13	12	1	0	7.5
	130 ft	2100	2100	2	2	0	0	0
	147 ft	1615	1615	5	5	0	0	0
	2 MM	3313	3313	5	5	0	0	0
	2.94 MM	2321	2321	11	11	0	0	0
	3.208 MM	0	6565	4	0	4	0	100.0
	TOTAL	-	-	52	47	5	0	9.6
Raven	86 ft	0	120	1	0	1	0	100.0
	116 ft	0	911	1	0	1	0	100.0
	117 ft	1470	1470	3	2	1	0	33.3
	128 ft			7	5	2	0	28.5
	130 ft	1517	1517	3	3	0	0	0
	2 MM	1866	1866	5	4	1	0	20.0
	3 MM	790	790	1	1	0	0	0
	TOTAL	-	-	21	15	6	0	28.6
WRI	61 ft	1338	1338	2	2	0	0	0
	70.38 ft	1050	1050	3	3	0	0	0
	72.3ft	495	495	3	3	0	0	0
	75 ft	406	406	1	1	0	0	0
	92.5 ft	1350	1350	2	1	0	1	0
	128 ft	1960	1960	18	8	9	1	50.0
	134 ft	691	691	2	1	0	1	0
	150 ft	1646	1646	9	9	0	0	0
	2 MM	2176	2233	13	11	0	2	0
	3 MM	2065	2065	2	2	0	0	0
	5 MM	4200	4200	13	9	4	0	30.8
	TOTAL	-	-	68	50	13	5	19.1
Without 128' (1)		-	-	50	42	4	4	8.0
Without 5 MM (2)		-	-	37	33	0	4	000.0

(1) May be excluded since balloons were based on other than WRI design.
(2) May be excluded due launch problems at Holloman AFB.

GOODFELLOW AFB PERFORMANCE DATA

ASROAR PROJECT

PERIOD	NO OF FLIGHTS	NO OF SUCCESSES	%	FAILURES DUE TO: FLOOR	BURST	MIL.	ELEC	OTHER
1 Jan-31 Dec'60	85	68	80.0	1	6	2	6	[illegible]
Jan.'61	7	4	57.2	-	3	-	-	-
Total	92	72	78.1	1	9	2	6	2

GRABBAG PROJECT

1 Jan.-31 Dec.'60	85	48	56.6	1	14	14	7	1
Jan. 1961	7	4	57.2	1	-	-	1	1
Total	92	52	56.7	2	14	14	8	2

OTHER PROJECTS (U.of Rochester)

1960	5	4	60.0

NOTES:

1) During Dec. 1960 18 flights had to be conducted to end up with the 8 good ones they need every month to complete both projects.
2) During January 14 flights were conducted with balloons for both projects before they obtained 8 successes. Also they had three failures in a row.
3) This indicates that the above percentage figures are mostly based on fairly good results during the early parts of 1960.
4) To date they have launched only one of the Viron balloons procured under the last MOAMA contract. This was in January and the balloon didn't get off the ground due to what they think was "underinflation."

PROJECT SKYHOOK
(Data Since 1954)

Contractor	No. of Flights Total	Succ.	Fail	% Succ	Max. Payload
WRI	50	41		82	
Raven	32	27		84	1500#
GMI	38	28		73	
Totals	120	96		80 Avg	

Notes

1) Add recent series at Ft. Churchill to Raven's Record. (17 Flights)
15 OK - including 2 NASA flights
2 NG (6 MM + 3 MM) Dr. McDonald (monkeys clobbered)
Failures occurred during last week - last 2 flights.

WRI BALLOON PERFORMANCE AT HOLLOMAN AFB

WRI 61'

Date	Gross Load	Temp Max Wind	Mil	Results	Remarks
10/23/59	1338	80/U	2 x 1.5 TT	S	Test of Balloon
1/20/60	1065	U/U	"	S	Manned

WRI 70.38'

9/21/60	1050	65/-71°C @49	2 x 1.5-150#	S	
9/27/60	1050	52/-68°C @45	"	S	
9/29/60	870	83/-68°C @54	"	S	

WRI 72.3'

2/19/60	370	85/U	2 NS	S	W/valve
3/22/60	477	90/-68°C @57	2	S	W/valve
2/10/61	495	40/U	2	S	W/valve

WRI 75'

1/22/60	406	100/-55°C @43	2	S	W/valve

WRI 92.5' (open appendix)

12/15/60	1350	108/-73°C @62	1.5-250#	S	-
12/16/60	1027	96/-71°C @60	"		Overinflated (1170FPM)

WRI 128'

3/12/59	1317	138/-68°C @56	2 TT		Error in inflatic
3/24/59	1393	100/-67°C	2 TT	S	
5/6/59	1375	NA	1/5 TT	F	Leaker 82K Ma
5/5/59	1414	90/-69°C @54	"	S	
5/8/59	1394	85/-70°C @52	"	S	
6/10/59	1365	50/-68°C @50	"	S	
6/24/59	1260	35/-70°C	2 TT	F	Leaker 20 K Ma
6/26/59	1250	35/-71°C @50	"	S	
6/17/59	1477	45/-73°C @54	"	S	
6/29/59	1230	U	"	F	45 K Burst
9/25/59	1300	90/-68°C	"	F	Leaker
10/6/59	1253	60/-71°C @53	"	F	42 K burst
3/8/60	~~132~~ 1432	85/-72°C	"	F	55 K burst
8/4/60	1875	28/-71°C @51	"	F	31K burst
8/4/60	1960	28/-71°C @51	"	S	
9/8/60	1354	U/-71°C	"	F	Leaker
9/9/60	1307	28/-73°C	"	F	
2/2/61	1900	U/-70°C @53	"	F	32.7 K burst

Date	Gross Load	Temp Max Wind	Mil	Results	Remarks
		WRI 134' (1MM)			
11/2/60	691	U	3/4		Inflation error
11/3/60	691	62/-73°C @55	3/4	S	
		WRI 150'			
8/2/60	1510	40/71°C @51	1/5	S	
8/30/60	1187	25/-75°C @50	"	S	
8/29/60	1646	98/-70°C @58	"	S	
6/10/61	1490	40/-66°C @55	"	S	
3/2/61	1498	58/-60°C	"	S	
3/8/61	1298	85/-72°C @58	"	S	
6/6/61	1495	68/	"	S	1000' to trop (night)
7/10/61	-	-	"	S	Goodyear
8/10/61	-	-	"	S	Goodyear
		WRI 2MM			
1/30/59	1880	100/-65°C @55	2 TT	S	
1/30/59	1863	100/-65°C @53	"	S	
2/4/59	1893	85/-64°C @52	"	S	
2/6/59	1689	87/-60°C @52	"	S	
2/11/59	1949	85/-67°C @52	"	S	
2/10/59	1854	100/-68°C @53	"	S	
8/19/59	1268	U	"		Old Balloon
4/13/60	1784	NA	2 NS	F	(10)K)
4/15/60	2233	NA	"		Suspect valve w chaffed balloon- Sand seeker
4/18/60	2176	70/-69°C @57	"	S	
6/25/60	1850	40/-72°C @52	"	S	Wind whipped balloon badly bu good flight
10/28/60	965(Payload)	60/-73°C @55	1-250#	S	
7/10/61	948(Payload)	-	1	S	1000 FPM-8 hrs
		WRI 3 MM			
10/8/59	2065	50/-69°C @53	1.5-500#	S	
8/10/61	1054(Payload)	-	1	S	122 K-10 hrs
		WRI 5 MM			
8/13/59	1268	85/U	3/4 mil	F	Burst on climb out @42 K
3/14/61	3817	40/-64°C @60	1-1 mil cap	S	
3/21/61	4026	60/-70°C @41	"	S	
4/4/61	4160	U/-70°C	"	F	Balloon broke o release

Date	Gross Load	Temp Max Wind	Mil	Results	Remarks
		WRI 5 MM (Cont)			
4/12/61	4135	105/-65°C @54	1-1 mil cap	S	
4/19/61	4081	106/-70°C @55	"	F	82 K burst
5/10/61	4024	9/-76°C @59	"	F	54 K burst
5/17/61	3900	90/-71°C @40	"	F	64 K burst
8/15/61	4200	-	"	S	
8/18/61	4200	-	"	S	

LAUNCH RECORD
5MM CU FT BALLOON CONTRACT AF 30 (635)-21846

Flight No.	Launch Seq.	Location	Balloon Serial No.	Date of Launch	Payload Total	Ascent Rate	Ground Wind (knots)	Results	QTY OK	F	Fail O	Remarks
	1	Vernalis	7	2/20	2400#	600	4-5	8 hrs.;Max Alt. 103,000	1			
	2	Vernalis	8	2/24	2400#	600	10+	27 hrs.;Max Alt. 102,000	1			
	3	Ho AFB	10	3/14	2499#	1000	3-	2 hrs.;Max Alt. 104,000	1			
	4	Ho AFB	12	3/21	2714#	1000	3-	2 hrs.;Max Alt. 104,000	1			
1192A (Holl.)	5	Ho AFB	11	4/4	2843#	1000	1-	Broke on Release			1	
	6	Ho AFB	14	4/12	2787#	1000	10-	2 hrs.;Max Alt. 102,000	1			
1195A (Holl)	7	Ho AFB	13	4/19	2774#	1050	1-	Burst at 82,000 ft.			1	
	8	Ho AFB	16	5/10	2720#	750 to 1000	4-5	Burst at 54,500 ft.			1	
	9	Ho AFB	17	5/17	2550-	1000	?	Burst at 64,000 ft.			1	
	10	Ho AFB	-	-	-	-	-	Overinflated cutaway without launch			1	
	11	Vernalis		6/19	2800#	600	Calm	6 hrs.;Max. Alt.	1			Rolled thru
	12	Vernalis		6/22	3000#	500	?	Cut down over Aleutions 5 days;Max Alt. 99,000 ft.	1			6% free lift
	13	Ho AFB (Artesial)		8/15	2900#	500	?	3 hrs.; 101,500 Drop 99,500	1			Vernalis Crew
	14	(Artesial) Ho AFB		8/18	2900#	500	Calm	4 hrs.; 101,500 Ascent rate decreased at 75 K	1			Vernalis Crew
Totals									9	4	1	

GMI BALLOON PERFORMANCE RECORD AT HOLLOMAN AFB

Date	Gross Load	Temp Max Wind	Mil	Results	Remarks
		GMI 66 Ft (.24 MM cu ft)			
2/11/59	1317	80K/M	2	S	
2/12/59	847	75/-63 59	2	S	
2/19/59	871	45/U	2	S	
7/7/59	620	20/U	2 TT	S	
7/10/59	618	25/-74 @49K	2 TT	S	
8/21/59	565	25/-71 @53K	2 TT	S	
8/24/59	577	25/-71 @ 54K	2 TT	S	
8/26/59	571	20/-69 @ 54K	2 TT	S	
10/16/59	1443	34/U	2 TT	S	
1/30/60	420	NA	2 TT	S	
		GMI 93' (.3 MM cu ft)			
9/9/61	1134	25/-71 @53 K	2 TT	S	
		GMI 93.5 (.4 MM cu ft)			
1/14/59	1131	40K/-70 53K ft.	2	S	
		GMI 128'			
3/6/59	1269	125/-68°C	2 TT	S	
3/6/59	1284	125/-68°C	2 TT	S	
3/13/59	1130	130/-69°C	2 TT	S	
3/24/59	1481	100/-67°C	2 TT	S	
4/1/59	1000	75/-68°C @54	2 TT	S	
6/8/59	1382	35/-68°C @53	2 TT	F	Leaker 35K Pea
4/26/60	1258	90/-68°C @54	2 TT	S	
5/3/60	1209	U/-68°C	2 TT	S	
5/6/60	1117	75/-67°C	2 TT	S	
5/10/60	1387	45/-71°C @ 50	2 TT	S	
5/12/60	1117	50/-68°C	2 TT	S	
6/29/60	1283	35/-74°C @52	2 TT	S	
9/13/60	1295	47/-73°C @51	2 TT	S	
		GMI 130'			
1/14/59	1548	40K-70° @52K	2	S	
2/7/61	2100	73/-69°C @54	2	S	Last G.E. drop
		GMI 147' (1.22 MM cu ft)			
5/6/60	1615	75/U	1.5/650# Tape	S	
5/13/60	1109	NA	1.5/650#	S	

Date	Gross Load	Temp Max Wind	Mil	Results	Remarks
		GMI 147' (1.22 MM cu ft) Cont			
5/21/60	1420	40/-68°C @48	1.5/650#	S	
5/28/60	1421	60/-65°C @49	"	S	
6/3/60	1410	45/-65°C	"	S	
		GMI 2 MM			
2/14/59	2000	/-68°C	2 TT	S	
2/16/59	1966	/-72°C	2 TT	S	
7/17/59	3313	40/-72°C @53	2	S	
11/16/59	2565	70/-68°C @58	2-1000# tapes	S	
12/11/59	2625	75/-65°C	2	S	
		GMI 2.94 MM			
4/1/60	1904	80/-69°C @63	1.5 Taped	S	
4/5/60	1924	40/-67°C	"	S	
4/8/60	1900	70/-69°C @51	"	S	
5/24/60	1750	85/-69°C @50	"	S	
6/22/60	1770	35/-72.5°C @49	"	S	
6/25/60	1849	40/-72°C @52	"	S	
6/19/60	1822	40/U	"	S	
7/21/60	1825	45/-69°C @52	"	S	
7/26/60	1825	50/-72°C @53	"	S	
7/22/60	2321	30/-68°C @50	"	S	
8/16/60	2320	44/-70°C @50	1.5	S	103K Joe Kittinger jump
		GMI 3.208 (Project 9774-Stargazer)			
3/3/60	6335	100/-67°C	2-500# Tapes	F	Burst 30 K
3/9/60	6565	85/-71°C	"	F	Burst 56.6 K
4/14/61	5600	105/U	2-1000# Tapes	F	Burst 45 K
6/16/61	5724	-	2-1000# Tapes	F	Burst 41 K

MISCELLANEOUS GHI BALLOON PERFORMANCE DATA

DATE	PROJECT	LOCATION	BALLOON	PAY-LOAD	RESULTS
-	R&D (USAF)	VERNALIS	10¼MM(300ft.)	-	Failed
8-29-60	R&D (USAF)	VERNALIS	10¼MM(300ft)	-	Burst at 40,000 Ft.
8-30-60	R&D (USAF)	ST.CLOUD	8 MM(255ft)	-	Burst at 38,000 Ft.
7-8-61	U of OHI. (onr)	ST.CLOUD	269 Ft. Dia.	3000	Tipped truck over.

RAVEN BALLOON PERFORMANCE AT HOLLOMAN A.F.B.

Date	Gross Load	Temp. Max. Wind	Mil	Results	Remarks
		Raven 86'			
9/22/60	120	55/-65°C @54	.5 S.C.	F	1105 hi asce for small duct
		Raven 116'			
9/22/59	911	U/-7	2 TT	F	Hi arc 1380 Burst 116'
		Raven 117'			
9/16/60	1470	40/-71°C	1.5 350#	S	
10/19/60	1405	U	1.5 350#	F	Tapes failed a: launch
10/21/60	1405	80/-65°C @55	1.5 350#	S	
		R-128'			
2/27/59	3607	NA	1.5 Taped	F	Leaker on grd.
3/17/59	1163	45/-67°C @56q	2 TT	S	
4/2/59	3690	60/-72°C @50	2 Taped	S	
4/29/59	1280	85/-68°C	2 TT	F	50 K burst
12/3/59	4560	U	2 Taped NS	S	
1/8/60	1321	60/-68°C @51	2 TT	S	W/valve
4/23/60	1662	85/-70°C @53K	2 TT	S	
		R-130'			
10/5/60	1517	117/-67°C @53	1.0 250#	S	W/vavle
10/12/60	1517	70/-64°C @55	1.0 250#	S	W/valve
3/1/61	1108	70/65°C @52	1.0 250#	S	
		R-2 MM			
9/22/59	1866	-/-71°C @53	2 Taped	S	
6/8/60	1815	76/-69° @59.5	"	S	
6/19/60	1750	50/-66°C	"	S	
6/23/60	1660	35/-72°C @54	"	S	
2/28/61	1209	105/-63°C @65	3/4 150#	F	Burst 52 K
		Raven 3 MM			
8/4/59	790	40/	.75 TT	S	

MISCELLANEOUS RAVEN BALLOON PERFORMANCE

DATE	PROJECT	LOCATION	BALLOON	PAY-LOAD	RESULTS
12/16/59	USAF Study	Sioux Falls			Burst (LA examin
7/18/61	AFMDC-AERO Med	Ft. Churchill	13 MM W Ft.	-	Burst At.90,000f

G.T. SCHJELDAHL

PROJECT STRATOSCOPE II. SUMMARY:

DATE	PROJECT	LOCATION	BALLOON DESCRIPTION	RESULTS
1-16-61	Stratoscope II (onr)	Goodfellow	3MM-MYLAR	Launch balloon burst
1-21-61	Stratoscope II (onr)	Goodfellow	3MM-MYLAR	Did not pick up load. Balloon destroyed itself in power lines.
8-4-61	Stratoscope II (onr)	Faribault	5MM-Mylar	Launch Balloon burst.

HOLLOMAN PROJECTS

Proj. No.	Open Close	For	Description	Altit.	Duration	FY 61 Quarter 1	2	3	4	FY 62 Quarter 1	2	3	4	FY [illegible] Total
WS117L		BMD	Drop Tests			6	5	4	4	5	3			1[illegible]
WS117M		BMD	Samos			-	6	3	-	2	2			2
5043		BMD(Dave Merday)	IR Seeker (RFwar 140)	70K	4 hrs.	4	4	4	5	6	6			5
6892	C	WADD(HESSB)	Bio Mec Tests (HESSB)			-	2	1		-	-			-
9774		WADD(KITT)	Stargazer	67K	24 hrs	1	-	3	1	-	-			2
7222	C	WADD(KITT)	BioPhys. of Escape			3	-	-	-	-	-			2
4062	C	WADD(V. Demis)	Electrost. Propagation	66-100K	4 hrs	4	2	-	-	-	-			2
7659		CCDD(Kraff)	Atmosph. Research	70K 110K	3 hrs 24 hrs	6	5	4	4	6	5			7
6665	C	CCDD(Power)	Balloon Component			3	-	-	-	-	-			2
			Totals 4 6/61			27 (14)	15 (12)	12 (18)	8 (16)	17	16			33