

Gil Bullock
- Paquette


**ISEE / ICE / IMP
NEWSLETTER**


JUL, AUG, SEP, 1994

PROLOGUE

I guess you all realized that the final three pages of the April, May, June, 1994 newsletter were there by mistake. It is my mode of operation to build on a recorded format for each newsletter, recording items at the end to be edited and placed in the appropriate section. This time I was unable to complete the item about IMP in Antarctica, but forgot to delete it and didn't discover my error until after a very efficient secretary had already copied and distributed the package. Well, it won't happen again on my watch. This is my last effort. My retirement date, after over 30 years of Government service, is set for November 3.

Yes, the time has come for me to say farewell to those with whom I have been associated for lo these many years. It has been an enlightening and pleasant experience for me to end my career working with the cream of the scientific community, and I hope not too much an exasperating and difficult experience for any of you. I did my best.

I. SURVEY

Over the past several years, Gil Bullock has generated this IMP/ICE Newsletter, with a little input from various people. With Gil's retirement, it is our intent to let this Newsletter activity end, UNLESS a few of you reply saying you find it very useful and would regret its termination. Note that significant IMP-relevant news will continue being disseminated by me when appropriate to my IMP Investigator E-mail list.

Joe King
301-286-7355
king@nssdca.gsfc.nasa.gov

I. HIGHLIGHTS

ICE

The Ogilvie (OGH) experiment on ICE was turned Off on September 27 after numerous attempts to turn the experiments high voltage On were unsuccessful.

There were 22 real time passes with 22 commands transmitted to the ICE spacecraft with a 4.14 percent coverage rate during this period.

The Hovestadt (HOH), and the Heckman (HKH) experiments were turned back On, on August 30, 1994 as the spacecraft moved closer to the Sun, increasing available solar power.

IMP-8

There were 89 real time passes with 369 commands transmitted to the IMP-8 spacecraft with a 76.0 Percent coverage rate during this period.

II. DATA PROCESSING

A - Most current data shipped as of October 1, 1994

	GROUP NO. - DAY/YEAR	
	IMP-8	ICE
DECOM	1877 - 229/94	842 274/94
MCE	1877 - 229/94	N/A

B. Whole groups not shipped which precede those above:

None

B - Redo's in progress

IMP-8	None
ICE	None

IV. OPERATIONS

DATA RECOVERY

THE OVERALL TELEMETRY COVERAGES FOR THIS PERIOD WERE:

JULY

AUGUST

SEPTEMBER

ICE	3.87%	4.71%	3.85%
IMP-8	76.35%	70.78%	80.87%

DETAILS OF THE COVERAGES FOR ICE AND IMP-8 ARE LISTED IN ATTACHMENT "A".

III. FUTURE PLANS

IMP Antarctic Connection

We previously reported efforts to define, build, and emplace at McMurdo Sound an IMP telemetry acquisition capability which would significantly enhance IMP telemetry coverage during those few days of every 12-day IMP orbit when IMP was near its most southerly excursion (-55 deg). Many components have been brought together at GSFC, including a new 4-IAGI antenna. Because the IMP signal is very weak relative to the local background at Greenbelt, we have not yet had a successful demonstration of IMP signal acquisition (as of 10/4/94) with the new system. Optimism continues, however, for the successful operation at McMurdo within a few months. The "hero" of this effort is Goddard's enthusiastic Mike Comberiate. (We will report to the IMP community the results of these efforts, when definitive.)

ATTACHMENT A
 DATA COVERAGE
 FOR
 JULY 1, 1994 (182) THROUGH SEPTEMBER 30, 1994 (273).

	DDD	HH MM	IN UT
	ICE		IMP
182	NONE		0608-0858
183	1718-2125		0038-1307 2311-2400
184	NONE		0000-1524 2228-2400
185	2055-2400		0000-1742
186	0000-0045		0030-2400
187	NONE		0000-2400
188	NONE		0000-2400
189	NONE		0000-2400
190	1831-2311		0000-0151 0955-2400
191	NONE		0000-0135 1533-2400
192	NONE		0000-0012 0418-1140 1204-2345
193	0019-0345		0740-1737 2103-2345
194	NONE		0819-1603
195	NONE		0027-1827 2229-2400
196	NONE		0000-1412 1800-2007 2141-2400
197	NONE		0000-1630 2104-2400

198	0004-0215	0000-1940 2006-2400
199	NONE	0000-2400
200	2125-2400	0000-2400
201	0000-0030	0000-0533 1111-2400
202	NONE	0000-0625 0804-2400
203	NONE	0000-0052 1231-1734 1742-2400
204	NONE	0000-0006 0140-0940 0947-2330
205	NONE	0237-1037 1122-2330
206	NONE	0540-1340
207	NONE	0313-1008 2154-2400
208	1117-1515	0000-1901 2059-2400
209	1217-1548	0000-1517 1800-2400
210	NONE	0000-2400
211	NONE	0000-2400
212	NONE	0000-2347
213	NONE	0105-2400
214	NONE	0000-0009 0021-0501 0549-2400
215	NONE	0000-0859 0932-2400
216	NONE	0000-0130 0301-1010 1403-2400

217	2038-2400	0000-0734 1612-2330
218	0000-0115	2119-2330
219	NONE	0241-0815 2100-2400
220	NONE	0000-1135 2017-2400
221	NONE	0000-1353 1939-2400
222	NONE	0000-1920 2027-2400
223	NONE	0000-2400
224	NONE	0000-0015 0324-2400
225	1545-2045	0000-2315
226	NONE	0332-2320
227	NONE	0717-2400
228	NONE	0000-0130 1315-2400
229	NONE	0000-0538 1420-2345
230	NONE	1936-2345
231	NONE	0226-0614 2050-2400
232	1535-2000	0000-1021 1934-2400
233	0811-1235	0000-1241 1852-2400
234	NONE	0000-0145 0200-1505 1800-2400
235	NONE	0054-2241
236	NONE	0000-2400

237	NONE	0000-2400
238	1544-1642 1836-1930	0000-0130 0134-2400
239	NONE	0000-0130 0547-2218
240	1506-1935	1147-2058
241	1438-1915	0500-1309 1334-2345
242	0806-1346	0444-0858
243	NONE	0124-1356 1954-2400
244	NONE	0000-0941 1844-2400
245	NONE	0000-1155 1805-2400
246	NONE	0000-1413 1727-2400
247	NONE	0000-2400
248	1250-1650	0000-2400
249	NONE	0000-2400
250	NONE	0000-0145 0212-2400
251	NONE	0000-0307 0315-2400
252	0618-1145	0000-0131 1300-2400
253	NONE	0000-0131 1115-2309
254	NONE	1042-1840 1859-2330
255	NONE	0015-0559 1853-2400
256	2022-2345	0000-0909 1752-2400

257	NONE	0000-1650 1715-2400
258	NONE	0000-1331 1639-2400
259	NONE	0000-2400
260	NONE	0000-2400
261	NONE	0000-2045
262	NONE	0010-2400
263	1329-1637 1653-1704	0000-0130 0438-2400
264	NONE	0000-0252 1330-2400
265	NONE	0000-0130 1330-2249
266	1401-1459 1515-1745	1415-2400
267	NONE	0000-0511 0700-1500 1806-2400
268	NONE	0000-0816 0830-1640 1706-2400
269	NONE	0000-1021 1629-2400
270	1305-1730	0000-1234 1555-2400
271	NONE	0000-2400
272	1325-1410 1414-1422 1439-1725	0000-2400
273	NONE	0000-2400