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went over below questions on 12/3/71 with Schmidt & Banks

questions for Schmidt:

- 1) spacecraft clock - SCR g.f. (probably)
- 2) EBCDI rather than BCD, or binary data;  
(BCD could be acceptable if each BCD char. placed into 8 bits)
- 3) starting on an even album  
not sure
- 4) Pseudo sequence counters once per page
- 5) R21 missing in format
- 6) orbit/<sup>NO</sup> orbit data flag; attitude/<sup>NO</sup> attitude flag
- 7) <sup>NO</sup> Placing year of ephemeris data (item 72) between item 0 and 1.
- 8) Will "fill" be all ~~ones~~ → zeros

(2)

(2)

9) Will "station ID" be the "three letter" name or the "tracking RF" number?  
binary?

10) Rather than any sentinel record, how about signaling an ID record by having the first half word equal to zero?

11) AP's to be converted to "engineering units":  
Voltages only, or conversion to temperatures, etc.  
won't sub com.

Phone talk with Schmatt 12/1/71

orbit number probably will not be given.  
date of processing will not be given  
Xperimeter ID - characters 65-66

ephemeris can be given at minute closest  
to beginning of first of two albums.

They will expand log compressed data to  
raw counts.

They will: <sup>ⓐ</sup>eliminate end of files,  
ⓑ give 360 mode data - 8 bit, 16 bit, 32 bit,  
integer + floating point

They will not give one q. f. for each data item,  
simply one flag / sequence

They will not give only the desired APP's + DPP's;  
all will be given.

Phone Calls Dec 2, 1971:

Marty Davis  
Bill Limberis:

encoder has three modes:

a) convolved - 4 info bits, 8 convolved bits. normal mode

b) delayed - 4 bits of info, complemented.  
- failure mode

c) 4 info and 4 garbage.

ASOC Doc.  
says A3-19  
corr.

Don Lokerson:

EDP - "extra digital parameter" not for us

OA failure flag - DPP A3 - ~~not~~ not in OA data.  
from 1, seq 1, 55 to 1+3

OA eclipse flag - part of 20 bit digital scan

"ST" in OA data - "the number of 6.4 Kc pulses that occurred from the beginning of the page to the first sun pulse." - channels 8+9 - binary int.  
5.12 sec/Page

SP - in OAdeta - "the number of 6.4 KC pulses  
that occurred between consecutive (?)  
sun pulses". channels 10 & 11

NOTE: the above should be described in an  
"interface document" to be distributed by  
Don Larson in 2 months or so.

11/30/71

Roy Cashion talked to Ken Hayes (EMR)  
He will add:

- 1) angle between slit and syn ( $\alpha$ )  
pting to S/C - 90° = 1<sup>st</sup> 9 of OA dig. scan
- 2) spin rate or spin period  
→ in RPM
- 3) OA vs TM mode flag

change of labels on sector data ?

RLM

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Please refer to:  
TSSD-3221

Director  
National Aeronautics and Space Administration  
Goddard Space Flight Center  
Greenbelt, Maryland 20771

Attention: Ms M. A. Long, Code 513 (Westinghouse)

Subject: Multi-Satellite Operations Control Center  
(MSOCC) Printout

Reference: Memo from Mr. Thomas C. Moore, Code 513, dated May 24, 1972,  
"Multi-Satellite Operations Control Center (MSOCC) Printout".

Dear Sir:

The above referenced memo sent to Dr. Krimigis for the Charged Particles Measurement Experiment of IMP-H included an attached quick-look printout corresponding to May 4, 1972 testing. This printout is satisfactory in both format and contents.

If further information is required, please contact R. L. McCutcheon at telephone number (301) 953-7100, extension 2441.

Very truly yours,

Original signed by  
**R. B. Kershner**  
R. B. Kershner  
Assistant Director

RRM

RBK:RLM:dl  
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