(1)

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

questions for Schmidt:

1) spacecraft clock & SCR f.f. (probably)

✓2) EBCDIC 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 counter once per page

✓5) R21 missing in format

6) orbit/no orbit data flag; attitude/no A. flag
No

No 7) Placing year of ephemeris data (item 72) between item 0 and 1.

8) Will "fill" be all ~~ones~~ zeroes

(2)

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

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

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

Phone talk with Schmidt 12/1/71

orbit number probably will not be given.
date of processing will not be given
Experimenter 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: ⓐ 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 decimed 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.

NSOC doc. says A3-19 Corr..

Don Lokerson:
EDP - "extra digital parameter" not for us

OA failure flag - DPP A3 - [illegible] not in OA data.
frame 4, seq 1, 55 & 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.
512 sec/Page

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

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

11/30/71

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

1) angle between slit and sun ($\alpha$)
ptng to S/C - 90° ~ 1st 9 of OA dig. scan
2) spin rate or spin period
↳ in RPM
3) OA vs TM - mode flag ←

change of labels on sectored data ?