615-73, Rev. B

SOFTWARE REQUIREMENTS DOCUMENT MARINER VENUS/MERCURY 1973

EXPERIMENT DATA RECORDS
GENERATION
- EDRGEN 24 May 1973

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Date	Page No.	Status	Date	Page No.	Status
7/31/72	A11	Original release			
8/29/72	A11	Rev. A		Transmission and the state of t	AND CONTRACTOR AND
5/24/73	A11	Rev. B	Personal library in the Control of t		Company of the Compan
6/8/73	Title Page, ii, B-8	Change 1	-		
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Change 1, 6/8/73

Table 5.1.2.2-B2. MAG Data Record Header Format (contd)

Item	Word No.	Bits*		Title/Fu	nction	
		24	GCF block en	_	itus. r flag was set.	
		25	Not used.			
		26	Complete fra words in the contain valid	data block o	dicates if any f this record o	of the do not
			0 = Complete	frame, 1 =	Date missing.	•
		27-31	Not used.			
8	20	0-31	First DSIF Station Code Station which received data for first NIS frame in first physical record of logical record			
			<u>Valve</u>	<u>Sta</u>	<u>Valve</u>	<u>Sta</u>
			0 1 2 3 4 5 6 7	27 51 14 71 11 42 21 62	8 10 11 12 13 14 15	63 43 41 61 12 Other Other

^{*}All words (32 bits) or half-words are right-adjusted; i.e., values are extended with leading binary zeros on the left. MSB is bit zero for full words and bits zero and 16 for half-words. Leftmost bit is bit zero.

Table 5.1.2.2-B2. MAG Data Record Header Format (contd)

r	Table 5.1.2.2-B2. MAG Data Record Header Format (contd)			
Item	Word No.	Bits*	Title/Function	
9	21	0-31	Last DSIF Station Code Station which received data for the first NIS frame in last physical record of logical record (see table in Item 8)	
-10		0-31	SNR SNR value from header of first NIS frame used to generate a physical record. Value in two's complement with binary point between Units = dB	
	22 thru 28	0-31	One from each of the 7-physical records/logical record of the MTC tape.	
11			Composite Bit Errors Number of errors detected in 105 sync word bits from header of first NIS frame used to generate a physical record.	
			Missing Segment Indicator Indicates a missing segment of logical record. Data quality flags in header and data flag with each piece of data will be set to zero for missing segments.	
	29 thru 35	0-31	One from each of the 7 physical records/logical record of the MTC tape. A value of FFFFFFFF 16 indicates a missing segment. A positive value is a composite bit error reading.	
12			DSIF Configuration Latest available configuration status	
	36	18-31	Configuration from first physical record of logical record	
			Bits 18-20 001 = RCVR 1 010 = RCVR 2 011 = RCVR 3 100 = RCVR 4 101 = RCVR 5 110 = RCVR 6	
			Bits 21-23 000 = SDA 8 001 = SDA 1 010 = SDA 2 011 = SDA 3 100 = SDA 4 101 = SDA 5 110 = SDA 6 111 = SDA 7	

^{*}All words (32 bits) or half-words are right-adjusted; i.e., values are extended with leading binary zeros on the left. MSB is bit zero for full words and bits zero and 16 for half-words. Leftmost bit is bit zero.

