

4.19 AMP370 - RAW DATA CONVERSION CARD IMAGE FILE

The Raw Data Conversion Card Image File is used to store extracted data in Input Transaction format. It is always output from the Raw Data Conversion Report Program.

File Type: Sequential
Data Representation: EBCDIC
File Characteristics: RECFM = FB
BLKSIZE = 6160
LRECL = 80

RECORD DESCRIPTION

FILE NAME: RAW DATA CONVERSION CARD IMAGE FILE

RECORD NAME: HOURLY-DATA

PAGE 1 OF 1

RECORD DESCRIPTION

This record holds eight hours of hourly data.

FIRST BYTE	FIELD SIZE	FIELD DEFINITION	FIELD NAME	REMARKS
1	1	X(1)	TRANSACTION-TYPE	'1'
2	2	X(2)	STATE	
4	3	X(3)	COUNTY	
7	4	X(4)	SITE	
11	5	X(5)	PARAMETER	
16	1	X(1)	POC	
17	1	X(1)	INTERVAL	
18	3	X(3)	UNITS	
21	3	X(3)	METHOD	
24	2	X(2)	YEAR	
26	2	X(2)	MONTH	
28	2	X(2)	DAY	
30	2	X(2)	START-HOUR	
32	1	X(1)	DP-IND	
33		X(5)	SAMPLE-DATA	
			OCCURS 8 TIMES	
	4	X(4)	SAMPLE-VALUE	
	1	X(1)	VALIDITY-FLAG	
73	7	X(7)	FILLER	
80	1	X(1)	ACTION-CODE	

RECORD DESCRIPTION

FILE NAME: RAW DATA CONVERSION CARD IMAGE

RECORD NAME: DAILY-DATA

PAGE 1 OF 1

RECORD DESCRIPTION

This record holds one day or Daily data.

FIRST BYTE	FIELD SIZE	FIELD DEFINITION	FIELD NAME	REMARKS
1	1	X(1)	TRANSACTION-TYPE	'2'
2	2	X(2)	STATE	
4	3	X(3)	COUNTY	
7	4	X(4)	SITE	
11	5	X(5)	PARAMETER	
16	1	X(1)	POC	
17	1	X(1)	INTERVAL	
18	3	X(3)	UNITS	
21	3	X(3)	METHOD	
24	2	X(2)	YEAR	
26	2	X(2)	MONTH	
28	2	X(2)	DAY	
30	2	X(2)	START-HOUR	
32	1	X(1)	SAMPLE-FREQUENCY	
33	1	X(1)	DP-IND	
34	4	X(4)	SAMPLE-VALUE	
38	1	X(1)	VALIDITY-FLAG	
39	41	X(41)	FILLER	
80	1	X(1)	ACTION-CODE	

RECORD DESCRIPTION

FILE NAME: RAW DATA CONVERSION CARD IMAGE

RECORD NAME: COMPOSITE-DATA

PAGE 1 OF 1

RECORD DESCRIPTION

This record holds one Composite Data transaction.

FIRST BYTE	FIELD SIZE	FIELD DEFINITION	FIELD NAME	REMARKS
1	1	X(1)	TRANSACTION-TYPE	'3'
2	2	X(2)	STATE	
4	3	X(3)	COUNTY	
7	4	X(4)	SITE	
11	5	X(5)	PARAMETER	
16	1	X(1)	POC	
17	1	X(1)	INTERVAL	
18	3	X(3)	UNITS	
21	3	X(3)	METHOD	
24	2	X(2)	YEAR	
26	2	X(2)	COMP-PERIOD	
28	2	X(2)	CNT-SAMPLE	
30	1	X(1)	COMP-TYPE	
31	1	X(1)	DP-IND	
32	4	X(4)	SAMPLE-VALUE	
36	1	X(1)	VALIDITY-FLAG	
37	43	X(43)	FILLER	
80	1	X(1)	ACTION-CODE	

4.19.1 HOURLY DATA RECORD FIELD ORIGIN

When MONITOR-TYPE is '9', all references to AM-HOURLY record can be read as AM-HOURLY-SEC record.

<u>Field Name</u>	<u>Origin</u>
TRANSACTION-TYPE	This program-generated field is set to '1' to indicate data from selected AM-HOURLY record.
STATE	Digits 1-2 of MONITOR-ID field from selected AM-HOURLY record.
COUNTY	Digits 3-5 of MONITOR-ID field from selected AM-HOURLY record.
SITE	Digits 6-9 of MONITOR-ID field from selected AM-HOURLY record.
PARAMETER	Digits 10-14 of MONITOR-ID field from selected AM-HOURLY record.
POC	Digit 15 of MONITOR-ID field from selected AM-HOURLY record.
INTERVAL	INTERVAL field from selected AM-HOURLY record.
UNITS	UNITS field from selected AM-HOURLY record.
METHOD	METHOD field from selected AM-HOURLY record.
YEAR	YEAR field from selected AM-HOURLY record.
MONTH	MONTH field from selected AM-HOURLY record.
DAY	This program-generated field is the day of the SAMPLE-VALUE.

<u>Field Name</u>	<u>Origin</u>																
START-HOUR	<p>1) The following are possible valid start hours:</p> <table border="1"> <thead> <tr> <th><u>INTERVAL</u></th> <th><u>START HOUR</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>00, 08, 16</td> </tr> <tr> <td>2</td> <td>00, 01, 16, 17</td> </tr> <tr> <td>3</td> <td>00 through 03</td> </tr> <tr> <td>4</td> <td>00 through 05</td> </tr> <tr> <td>5</td> <td>00 through 07</td> </tr> <tr> <td>6</td> <td>00 through 11</td> </tr> <tr> <td>B</td> <td>00 through 02</td> </tr> </tbody> </table> <p>2) If the first field of the card is a valid start hour, then that is the valid start hour.</p> <p>3) If the first field of the card is not a valid start hour, INTERVAL is used to determine the number of hours between samples. This interval between samples is used to calculate the correct start hour. It is used in the following way. The first hourly value is found for the day and is checked to see if it is one of the valid start hours. If it is not a valid start hour, subtract the separation between hours and check if this new hour is a valid start hour. If it is not, repeat the processing until the valid start hour is found.</p>	<u>INTERVAL</u>	<u>START HOUR</u>	1	00, 08, 16	2	00, 01, 16, 17	3	00 through 03	4	00 through 05	5	00 through 07	6	00 through 11	B	00 through 02
<u>INTERVAL</u>	<u>START HOUR</u>																
1	00, 08, 16																
2	00, 01, 16, 17																
3	00 through 03																
4	00 through 05																
5	00 through 07																
6	00 through 11																
B	00 through 02																
HOURLY-DP	This program-generated field is the DP-(n = 1 through 8) of the SAMPLE-VALUE. The decimal position indicator for the corresponding SAMPLE-VALUE.																
SAMPLE-VALUE	SAMPLE-VALUE-(n = 1 through 8) field for day and hour from selected AM-HOURLY record.																
VALIDITY-FLAG	VALIDITY-FLAG-(n = 1 through 8) field for day and hour from selected AM-HOURLY record.																
ACTION-CODE	Action Code specified by the user from the Report Options screen.																

4.19.2 DAILY DATA RECORD FIELD ORIGIN

When MONITOR-TYPE is '9', all references to AM-DAILY record can be read as AM-DAILY-SEC record.

<u>Field Name</u>	<u>Origin</u>
TRANSACTION-TYPE	This program-generated field is set to '2' to indicate data from selected AM-DAILY record.
STATE	Digits 1-2 of MONITOR-ID field from selected AM-DAILY record.
COUNTY	Digits 3-5 of MONITOR-ID field from selected AM-DAILY record.
SITE	Digits 6-9 of MONITOR-ID field from selected AM-DAILY record.
PARAMETER	Digits 10-14 of MONITOR-ID field from selected AM-DAILY record.
POC	Digit 15 of MONITOR-ID field from selected AM-DAILY record.
INTERVAL	INTERVAL field from selected AM-DAILY record.
UNITS	UNITS field from selected AM-DAILY record.
METHOD	METHOD field from selected AM-DAILY record.
YEAR	YEAR field from selected AM-DAILY record.
MONTH	This program-generated field is the month of the SAMPLE-VALUE.
DAY	This program-generated field is the day of the SAMPLE-VALUE.
START-HOUR	START-HOUR-(n = 1 through 6) field for month and day from selected AM-DAILY record.

<u>Field Name</u>	<u>Origin</u>
SAMPLE-FREQUENCY	SAMPLE-FREQUENCY field for month from selected AM-DAILY record.
DP-IND	DP-(n = 1 through 6) field for month and day from selected AM-DAILY record. The decimal position indicator for the corresponding SAMPLE-VALUE.
SAMPLE-VALUE	SAMPLE-VALUE-(n = 1 through 6) field for month and day from selected AM-DAILY record.
VALIDITY-FLAG	VALIDITY-FLAG-(n = 1 through 6) field for month and day from selected AM-DAILY record.
ACTION-CODE	Action Code specified by the user from the Report Options screen.

4.193 COMPOSITE DATA RECORD FIELD ORIGIN

When MONITOR-TYPE is '9', all references to AM-COMPOSITE record can be read as AM-COMPOSITE-SEC record.

<u>Field Name</u>	<u>Origin</u>
TRANSACTION-TYPE	This program-generated field is set to '3' to indicate data from selected AM-COMPOSITE record.
STATE	Digits 1-2 of MONITOR-ID field from selected AM-COMPOSITE record.
COUNTY	Digits 3-5 of MONITOR-ID field from selected AM-COMPOSITE record.
SITE	Digits 6-9 of MONITOR-ID field from selected AM-COMPOSITE record.
PARAMETER	Digits 10-14 of MONITOR-ID field from selected AM-COMPOSITE record.
POC	Digit 15 of MONITOR-ID field from selected AM-COMPOSITE record.
INTERVAL	INTERVAL field from selected AM-COMPOSITE record.
UNITS	UNITS field from selected AM-COMPOSITE record.
METHOD	METHOD field from selected AM-COMPOSITE record.
YEAR	YEAR field from selected AM-COMPOSITE record.
COMP-PERIOD	This program-generated field is the composite period (i.e., week, month, etc.) of the SAMPLE-VALUE.
CNT-SAMPLE	CNT-SAMPLES field for composite period (i.e., week, month, etc.) from selected AM-COMPOSITE record.
COMP-TYPE	COMP-TYPE field from selected AM-COMPOSITE record.

<u>Field Name</u>	<u>Origin</u>
DP-IND	DP-IND field for composite period (i.e., week, month, etc.) from selected AM-COMPOSITE record. The decimal position indicator for the SAMPLE-VALUE.
SAMPLE-VALUE	SAMPLE-VALUE field for composite period (i.e., week, month, etc.) from selected AM-COMPOSITE record.
VALIDITY-FLAG	VALIDITY-FLAG field for composite period (i.e., week, month, etc.) from selected AM-COMPOSITE record.
ACTION-CODE	Action Code specified by the user from the Report Options screen.