

# 1. How to Read Reception Result

Packet Number      Memory Number      Memory Address (Sector and Page)      Packet Size (Byte)  
 [usually 4kB = 16pages]

Packet Number	CallSign	Memory Number	Memory Address (Sector and Page)	Packet Size (Byte)	CRC	Result	
9	Num: 0	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 00	Size: 4096	CRC: F7 95	GOOD
10	Num: 1	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 10	Size: 4096	CRC: 0F E1	GOOD
11	Num: 2	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 20	Size: 4096	CRC: 0F E1	GOOD
12	Num: 3	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 30	Size: 4096	CRC: 0F E1	GOOD
13	Num: 4	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 40	Size: 4096	CRC: 0F E1	GOOD
14	Num: 5	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 50	Size: 4096	CRC: 0F E1	GOOD
15	Num: 6	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 60	Size: 4096	CRC: 0F E1	GOOD
16	Num: 7	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 70	Size: 4096	CRC: 0F E1	GOOD
17	Num: 8	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 80	Size: 4096	CRC: 0F E1	GOOD
18	Num: 9	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 90	Size: 4096	CRC: 0F E1	GOOD
19	Num: 10	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 A0	Size: 4096	CRC: 0F E1	ERROR
20	Num: 11	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 B0	Size: 4096	CRC: 0F E1	GOOD
21	Num: 12	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 C0	Size: 4096	CRC: 0F E1	GOOD
22	Num: 13	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 D0	Size: 4096	CRC: 0F E1	GOOD
23	Num: 14	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 E0	Size: 4096	CRC: 0F E1	GOOD
24	Num: 15	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 00 F0	Size: 4096	CRC: 0F E1	GOOD
25	Num: 16	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 01 00	Size: 4096	CRC: 0F E1	GOOD
26	Num: 17	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 01 10	Size: 4096	CRC: 0F E1	GOOD
27	Num: 18	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 01 20	Size: 4096	CRC: 0F E1	GOOD
28	Num: 19	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 01 30	Size: 4096	CRC: 0F E1	GOOD
29	Num: 20	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 01 40	Size: 4096	CRC: 0F E1	GOOD
30	Num: 21	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 01 50	Size: 4096	CRC: 0F E1	GOOD
31	Num: 22	CallSign: JG6YBW HORYU4>JG6YBW KYUTECH	Mem: 61	Adr: 01 60	Size: 4096	CRC: 0F E1	GOOD

- List of Memory Numbers
- 0x11 to 0x14 & 0x91 to 0x94 : OBO
  - 0x21 to 0x24 & 0xA1 to 0xA4 : AVC
  - 0x31 & 0xB1 : HVSA
  - 0x41 : CAM
  - 0x51 : AODS
  - 0x61 : BigApple
  - 0x71 : OBC (Share)

## CRC check result

Good means good (no single bit error detected in this packet )

error means this packet has 1 or more bit error

[usually CRC says "0x0FE1" if FLASH memory was empty (only 0xFF...), otherwise the packet has some data]

Currently, the data bus has data collision issue, so even the CRC says OK, may have some error. This will be solved soon!

# 2. How to Find Data

The screenshot shows a Windows File Explorer window for the directory 'e2e\_bigapple'. The address bar indicates the path: <code><< HDLC\_ver1 >> bin > Debug > e2e\_bigapple</code>. The file list contains 255 items, all of which are DAT files of 4 KB size, named sequentially from '61 00 00 0.dat' to '61 0A C0 172.dat'. The file '61 00 A0 10.dat' is highlighted with an orange arrow. A callout box zooms in on the filename '61 00 A0 10.dat', with three orange circles highlighting the segments '61 00', 'A0', and '10'. Three orange boxes with arrows point to these circles, labeled 'Memory Number', 'Memory Address (Sector and Page)', and 'Packet Number' respectively.

Name	Date modified	Type	Size
61 00 00 0.dat	17/12/2015 04:36	DAT File	4 KB
61 00 10 1.dat	17/12/2015 04:36	DAT File	4 KB
61 00 20 2.dat	17/12/2015 04:36	DAT File	4 KB
61 00 30 3.dat	17/12/2015 04:36	DAT File	4 KB
61 00 40 4.dat	17/12/2015 04:36	DAT File	4 KB
61 00 50 5.dat	17/12/2015 04:36	DAT File	4 KB
61 00 60 6.dat	17/12/2015 04:36	DAT File	4 KB
61 00 70 7.dat	17/12/2015 04:36	DAT File	4 KB
61 00 80 8.dat	17/12/2015 04:36	DAT File	4 KB
61 00 90 9.dat	17/12/2015 04:36	DAT File	4 KB
61 00 A0 10.dat	17/12/2015 04:36	DAT File	4 KB
61 00 B0 11.dat	17/12/2015 04:36	DAT File	4 KB
61 00 C0 12.dat	17/12/2015 04:36	DAT File	4 KB
61 00 D0 13.dat	17/12/2015 04:36	DAT File	4 KB
61 00 E0 14.dat	17/12/2015 04:36	DAT File	4 KB
61 00 F0 15.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 00 160.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 10 161.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 20 162.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 30 163.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 40 164.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 50 165.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 60 166.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 70 167.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 80 168.dat	17/12/2015 04:36	DAT File	4 KB
61 0A 90 169.dat	17/12/2015 04:36	DAT File	4 KB
61 0A A0 170.dat	17/12/2015 04:36	DAT File	4 KB
61 0A B0 171.dat	17/12/2015 04:36	DAT File	4 KB
61 0A C0 172.dat	17/12/2015 04:36	DAT File	4 KB

### 3. How to Merge/Split Data

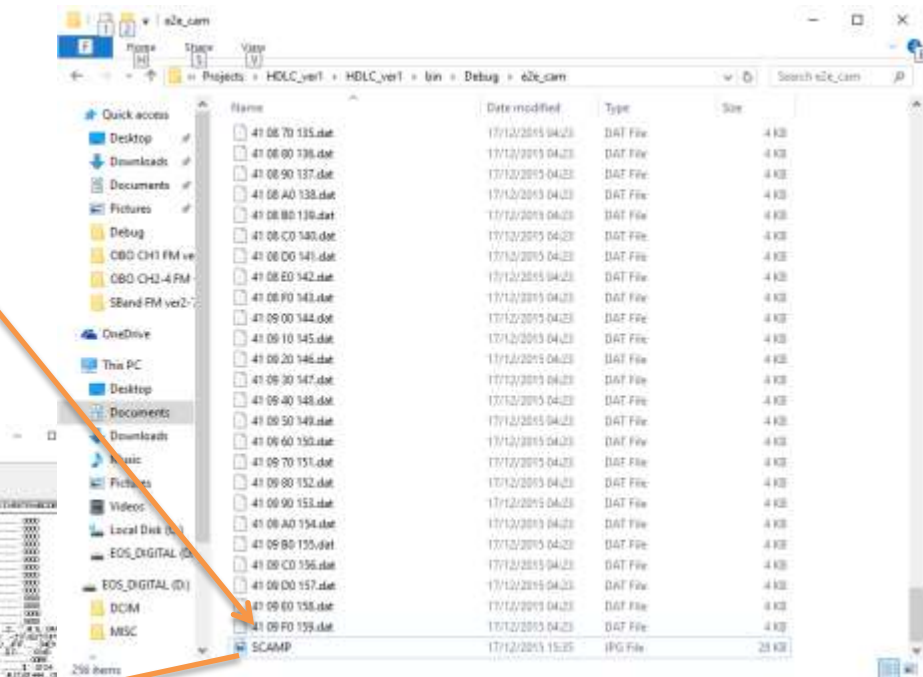
Merge packets by using “MSDOS copy comand”

For example CAM data...

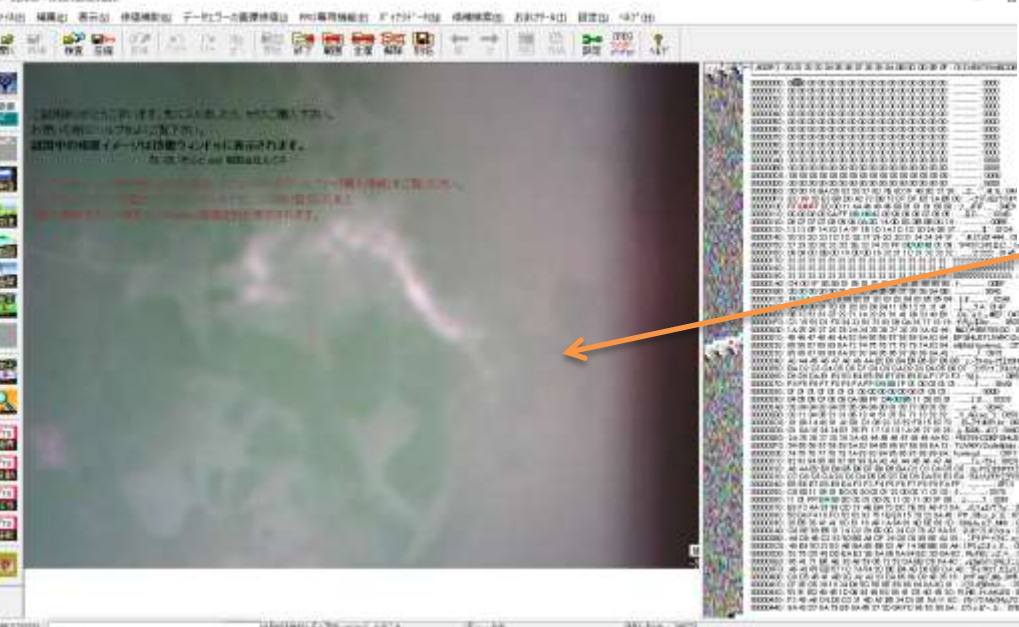
```
Select C:\WINDOWS\system32\cmd.exe
17/12/2015 04:23      4,096 41 0E C0 252.dat
17/12/2015 04:23      4,096 41 0E D0 253.dat
17/12/2015 04:23      4,096 41 0E E0 254.dat
                255 File(s)      1,964,496 bytes
                2 Dir(s)      75,954,609,804 bytes free

C:\Users\TShimizu\Documents\Visual Studio 2012\Projects\HDL_C veri\HDL_C veri\bin\Debug\%2e_camcopy /B "41 01 00 26.dat"
+ "41 02 20 34.dat" + "41 02 30 35.dat" + "41 02 40 36.dat" + "41 02 50 37.dat" + "41 02 60 38.dat"
SCAMP_TEST.JPG
41 01 00 26.dat
41 02 20 34.dat
41 02 30 35.dat
41 02 40 36.dat
41 02 50 37.dat
41 02 60 38.dat
1 File(s) copied.

C:\Users\TShimizu\Documents\Visual Studio 2012\Projects\HDL_C veri\HDL_C veri\bin\Debug\%2e_camcopy /B "41 01 00 32.dat"
+ "41 02 20 34.dat" + "41 02 30 35.dat" + "41 02 40 36.dat" + "41 02 50 37.dat" + "41 02 60 38.dat"
SCAMP_C90
41 02 00 32.dat
41 02 10 33.dat
41 02 20 34.dat
41 02 30 35.dat
41 02 40 36.dat
41 02 50 37.dat
41 02 60 38.dat
1 File(s) copied.
```



Jpeg Image (corrected collapsed data)



*For further detail about “copy” comand, Please google it.*