

1. SPI*.SPECTRA: SPECTRA FILE

FILE NAME:

SPIB: /directory/SPIB.SP^C_KMm_order.Wmmp.Method.Condition.Integration.user.observation
Ss_sort

SUM : single + multiple spectra

SPIG : /directory/SPIG.SP^C_KMm_order.Wmmp.Method.Condition.Integration.user.observation

Ss_order

in mm: 6 char
4 char 3 char

NOCOND : no condition

ACON : Anti coincidence ON

ACOFF : Anti coincidence OFF

FLY : flight method

SUMSPO

S99 : 19 detectors single spectra

S00 : one detector single spectra

S18 : PSD spectra

Mm_Order : multiple spectra order n

SUM : Spectra of Single + Multiple + PSD events

VERSION: 0.0

CREATION DATE: 03/98

MODIFICATION DATE: 09/99

SUMMARY: Spectra data file in channel unit for SPC
in keV unit for SPK

TYPE FILE: Binary

RECORD LENGTH:

SPIB	SPIG
16 384 x 4 φ = 65 536 φ	16 384 x 4 φ = 65 536 φ

BUILDING BY:

SPIB	SPIG
	SPIG.Prepro SPIHISTO

GENERIC NAME: **SPIB.SP** ^C_K

SPIG.SP ^C_K

VERSION: 0.0

ACCESS: direct

RECORD NUMBER	FIELD	DESCRIPTION	OCC.	BYTE	TYPE
1		Version number (0)		4	I
		Heading record number (H=1 for flight SP)		4	I
		Spectra record number for low range		4	I
		Spectra record number for high range		4	I
		Channel (=1.)keV step for low range		4	R
		Channel (=1.)keV step for high range		4	R
		<u>Method description</u>			
		Number of det. (D)		4	I
		Detector number	* D	4	I
		<u>Diaphony parameters</u>			
		Channels range [inf, sup]	* 2	4	I
		Channel if reset		4	I
		Detector number to look at		4	I
		Δt unit 50 μs		8	R
		Integration period		8	R
		Total integration period		8	R
		Number of reset		4	I
		<u>Spectra description :</u>			
		Number of spectra packet (N/max = 1015)		4	I
		Accu begin }	* N	8	R
		Accu end }		8	R
H+1		Detector 1, period 1: Spectra low energy range	*16384	4	I
H+2		Detector 1, period 1: Spectra high energy range	*16384	4	I
H+3		Detector 2, period 1: Spectra low energy range	*16384	4	I
⋮					
H + (Det_nb-1*2)		Detector D, period N: Spectra low energy range			
H + (Det_nb*2)		Detector D, period N: Spectra high energy range			
⋮					

		<p><u>Remark:</u></p> <p>SPIB Spectra --> accu dates are given in 50 ns unit --> 16 384 channels</p> <p>SPIG Spectra --> accu dates are given in OBT unit (1.9 μs) --> Flight : 27 840 channels by Construction : 32 768 channels</p> <p>Det-nb = D * N</p> <p>FLY spectra → when a decommutation problem is found all the spectra are set to -1</p>			
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