

RBSPA (MagEIS electrons)

LOW/M75/HIGH

All energies in keV

Does not include any channel changes on M35

Start UTC:	2012/09/19 00:00:00	2012/10/04 19:00:00	2013/02/24 00:00:00	2013/03/31 00:00:00
Stop UTC:	2012/10/04 19:00:00	2013/02/24 00:00:00	2013/03/31 00:00:00	PRESENT
0	37	37	37	32
1	57	57	57	54
2	80	80	80	80
3	111	111	111	108
4	146	146	146	144
5	185	185	185	183
6	221	211	221	226
7	233	221	233	232
8	336	237	336	342
9	458	317	458	464
10	592	349	592	593
11	737	456	737	742
12	894	583	894	902
13	1059	730	1016	999
14	FILLVAL	885	1059	1078
15	FILLVAL	1016	1556	1547
16	FILLVAL	1057	1697	1701
17	FILLVAL	1556	2270	2275
18	FILLVAL	1697	2642	2651
19	FILLVAL	2270	3558	3681
20	FILLVAL	2642	4082	4216
21	FILLVAL	3558	FILLVAL	FILLVAL
22	FILLVAL	4082	FILLVAL	FILLVAL
23	FILLVAL	FILLVAL	FILLVAL	FILLVAL
24	FILLVAL	FILLVAL	FILLVAL	FILLVAL
LUT:	16385/24577/XXXXX	16385/24578/29698	16385/24577/29698	16386/24579/29699

25 possible channels: 9 (LOW) + 9 (M75) + 7 (HIGH).

Channels 0 and 1 on both LOW and M75 are often noisy and set to FILLVAL.

Thus, there are typically only 21 valid channels: 7 (LOW) + 7 (M75) + 7 (HIGH).

NOTE: The index 0-24 above does not necessarily correspond to the array index in the data file.

RBSPB (MagEIS electrons)

LOW/M75/HIGH

All energies in keV

Does not include any channel changes on M35

Start UTC:	2012/09/19 00:00:00	2012/10/04 16:30:00	2012/10/17 00:00:00	2012/10/24 00:00:00	2013/02/24 00:00:00	2013/03/31 00:00:00
Stop UTC:	2012/10/04 16:30:00	2012/10/17 00:00:00	2012/10/24 00:00:00	2013/02/24 00:00:00	2013/03/31 00:00:00	PRESENT
0	36	36	36	36	36	32
1	55	55	54	54	54	54
2	75	75	76	76	76	75
3	99	99	103	103	103	102
4	129	129	134	134	134	132
5	164	164	168	168	168	169
6	203	203	198	193	198	210
7	235	235	235	198	235	242
8	339	339	339	235	339	350
9	459	459	459	323	459	467
10	584	584	584	353	584	600
11	726	726	726	459	726	743
12	875	875	875	584	875	892
13	1040	1039	1039	726	1039	1013
14	FILLVAL	1040	1040	875	1040	1050
15	FILLVAL	1591	1591	1039	1591	1541
16	FILLVAL	1792	1792	1040	1792	1704
17	FILLVAL	2301	2301	1591	2301	2249
18	FILLVAL	2712	2712	1792	2712	2596
19	FILLVAL	3531	3531	2301	3531	3519
20	FILLVAL	4018	4018	2712	4018	4009
21	FILLVAL	FILLVAL	FILLVAL	3531	FILLVAL	FILLVAL
22	FILLVAL	FILLVAL	FILLVAL	4018	FILLVAL	FILLVAL
23	FILLVAL	FILLVAL	FILLVAL	FILLVAL	FILLVAL	FILLVAL
24	FILLVAL	FILLVAL	FILLVAL	FILLVAL	FILLVAL	FILLVAL
LUT:	17408/25601/XXXXX	17408/25601/31746	18433/25601/31746	18433/26626/31746	18433/25601/31746	18434/26627/31747

25 possible channels: 9 (LOW) + 9 (M75) + 7 (HIGH).

Channels 0 and 1 on both LOW and M75 are often noisy and set to FILLVAL.

Thus, there are typically only 21 valid channels: 7 (LOW) + 7 (M75) + 7 (HIGH).

NOTE: The index 0-24 above does not necessarily correspond to the array index in the data file.

RBSPA (MagEIS protons)

HIGH (proton telescope is housed in HIGH unit).

All energies in keV

Start UTC:	2012/09/29 00:00:00	2013/03/31 00:00:00
Stop UTC:	2013/03/31 00:00:00	PRESENT
0	64	58
1	75	69
2	88	83
3	105	99
4	121	118
5	140	140
6	164	164
7	191	194
8	224	229
9	256	267
10	294	308
11	346	357
12	403	414
13	468	479
14	544	555
15	631	636
16	734	728
17	853	840
18	994	967
19	1154	1111
20	1295	1271

LUT: 29952/29953 29954

21 possible channels.

Channels 0-3 are known to be noisy, especially after 2013/03/17.

Channels 4-5 are known to be noisy, especially after 2013/10/02.

RBSPB (MagEIS protons)

HIGH (proton telescope is housed in HIGH unit).

All energies in keV

Start UTC:	2012/09/29 00:00:00
Stop UTC:	PRESENT
0	63
1	74
2	84
3	98
4	114
5	133
6	155
7	179
8	206
9	239
10	277
11	320
12	371
13	431
14	499
15	577
16	669
17	772
18	891
19	1032
20	1206

LUT: *32001*

21 possible channels.

Channels 0-3 are known to be noisy, especially after 2013/03/17.

Channels 4-5 are known to be noisy, especially after 2013/10/02.