

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	846	841
13	1059	730	894	902
14	NaN	846	1059	1078
15	NaN	885	1253	1235
16	NaN	1057	1535	1565
17	NaN	1253	1942	1982
18	NaN	1535	2521	2579
19	NaN	1942	3156	3442
20	NaN	2521	3869	4123
21	NaN	3156	NaN	NaN
22	NaN	3869	NaN	NaN
23	NaN	NaN	NaN	NaN
24	NaN	NaN	NaN	NaN
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 NaN.

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	841
13	1040	888	888	726	888	892
14	NaN	1040	1040	875	1040	1050
15	NaN	1362	1362	888	1362	1245
16	NaN	1666	1666	1040	1666	1598
17	NaN	2065	2065	1362	2065	1956
18	NaN	2615	2615	1666	2615	2519
19	NaN	3257	3257	2065	3257	3215
20	NaN	3893	3893	2615	3893	3913
21	NaN	NaN	NaN	3257	NaN	NaN
22	NaN	NaN	NaN	3893	NaN	NaN
23	NaN	NaN	NaN	NaN	NaN	NaN
24	NaN	NaN	NaN	NaN	NaN	NaN

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 NaN.

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.

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.