

**GOES, ACE Channels for Study Period** First data value from files, verified with original source

NAIRAS Channel Designation	Energy Range (MeV)	File	GNN = G10, Date = Oct 03, (ACE)	GNN = G11, Date = Oct 03	GNN = G10, Date = 21 Jul 04, (ACE)	GNN = G11, Date = 21 Jul 04	GNN = G10, Date = Jul 04, (ACE)	GNN = G11, Date = Jul 04	GNN = G10, Date = Jan 05, (ACE)	GNN = G11, Date = Jan 05
P3'	0.114-0.190	ACE_EPAM_Date.txt	2.8990E+03		1.3035E+01		4.2118E+03		6.1485E+02	
P4'	0.190-0.310		1.3766E+03		4.2835E+00		1.6783E+03		7.5156E+02	
P5'	0.310-0.580		6.2911E+02		1.1509E+00		5.8757E+02		6.8190E+02	
P6'	0.580-1.050		3.0076E+02		5.4683E-01		1.7499E+02		4.1509E+02	
P7'	1.050-1.890		1.0180E+02		1.5799E-01		4.3391E+01		1.5771E+02	
P8'	1.890-4.750		1.4133E+01		1.5440E-02		6.2006E+00		3.3985E+01	
P2	P2, 4-9		GNN_Date_protons_Corrected_nairas.txt	3.5100E-03	4.61E-03	5.25E-03	2.44E-02	2.51E-01	8.91E-01	3.28E-01
P3	P3, 9-15	2.3500E-03		6.28E-02	3.39E-02	3.35E-03	5.85E-02	3.85E-02	3.03E-03	2.46E-01
P4	P4, 15-40	3.3300E-03		9.04E-03	4.91E-03	2.07E-03	2.25E-02	1.55E-03	3.14E-02	3.52E-02
P5	P5, 40-80	4.9700E-04		5.93E-04	5.87E-04	7.41E-04	5.50E-04	6.79E-04	6.58E-03	1.38E-03
P6	P6, 80-165	1.2200E-04		1.24E-04	1.00E+33	1.51E-04	1.00E+33	1.42E-04	1.00E+33	3.09E-04
P7	P7, 165-500	2.4900E-04		3.12E-04	1.00E+33	4.51E+00	1.00E+33	4.32E-05	1.00E+33	3.68E-04
P8	P8, 350-420	GNN_Date_HEPAD_nairas.txt		1.70E-03	1.93E-03	1.30E-03	9.66E-04	1.90E-03	2.34E-03	NA
P9	P9, 420-510		6.98E-04	7.23E-04	2.99E-04	4.82E-04	1.40E-03	4.29E-04	NA	3.99E-04
P10	P10, 510-700		1.87E-04	4.22E-04	1.66E-04	3.49E-04	2.29E-04	2.46E-04	NA	1.87E-04
I1	I1 > 1 MeV	G11_Date_protons_Integral_nairas.txt	2.1300E+01	9.68E+00	1.12E+01	2.56E+00	1.01E+02	1.01E+02	1.22E+02	7.33E+01
I2	I2 > 5 MeV		9.5100E-02	3.89E-01	2.95E-01	2.00E-01	1.60E+00	2.22E+00	1.10E+00	5.11E+00
I3	I3 > 10 MeV		8.0900E-02	3.70E-01	2.74E-01	1.02E-01	7.26E-01	2.02E-01	6.05E-01	1.77E+00
I4	I4 > 30 MeV		5.7900E-02	7.11E-02	1.09E-01	5.55E-02	9.98E-02	4.74E-02	5.66E-01	1.86E-01
I5	I5 > 50 MeV		3.2200E-02	3.46E-02	7.14E-02	3.93E-02	5.12E-02	3.55E-02	3.21E-01	8.30E-02
I6	I6 > 60 MeV		2.5000E-02	2.82E-02	1.00E+33	3.49E-02	1.00E+33	3.21E-02	1.00E+33	6.85E-02
I7	I7 > 100 MeV		1.4000E-02	1.51E-02	1.00E+33	1.86E-02	1.00E+33	1.73E-02	1.00E+33	3.84E-02
A1	A1, 4-10	GNN_Date_ALPHA_nairas	7.60E-02	7.80E+00	1.90E-02	0.00E+00	5.00E-03	3.29E-01	5.71E-02	2.65E-01
A2	A2, 10-21		0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-02	0.00E+00	0.00E+00	3.06E-02
A3	A3, 21-60		5.87E-03	4.40E-03	2.93E-03	4.89E-03	2.93E-03	0.00E+00	8.79E-03	0.00E+00
A4	A4, 60-150		1.42E-03	0.00E+00	3.30E-04	0.00E+00	1.42E-03	7.64E-04	7.08E-04	1.06E-03
A5	A5, 150-250		7.23E-04	0.00E+00	5.61E-04	6.03E-04	9.04E-04	4.17E-04	1.81E-04	1.94E-04
A6	A6, 300-500		0.00E+00	0.00E+00	0.00E+00	6.17E-05	3.70E-05	4.27E-05	7.66E-05	1.53E-04

Last Update: 26 May 09