

GOES, ACE Channels for Study Period

NAIRAS Channel Designation	Energy Range (MeV)	Instrument	ESWDS DBMS name: ace_epam_5m	ESWDS DBMS DB names: goes10_5m, goes11_5m	NGDC/SPIDR (CalTec) goes10_5m, goes11_5m	Description	File
P3'	0.114-0.190	LEMS120 (diff)	p3, 115-195 KeV		(p3, CalTech)	ACE EPAM Level 2 protons	ACE_EPAM_Date.txt
P4'	0.190-0.310	LEMS120 (diff)	p4, 195-321 KeV		(p4, CalTech)	ACE EPAM Level 2 protons	
P5'	0.310-0.580	LEMS120 (diff)	p5, 321-587 KeV		(p5, CalTech)	ACE EPAM Level 2 protons	
P6'	0.580-1.050	LEMS120 (diff)	p6, 587-1060 KeV		(p6, CalTech)	ACE EPAM Level 2 protons	
P7'	1.050-1.890	LEMS120 (diff)	p7, 1.06-1.90 MeV		(p7, CalTech)	ACE EPAM Level 2 protons	
P8'	1.890-4.750	LEMS120 (diff)	p8, 1.90-4.80 MeV		(p8, CalTech)	ACE EPAM Level 2 protons	
P2	4-9	EPS (diff)		cp2, 4-9 MeV	P2, 4-9	Corrected Telescope Protons	
P3	9-15	EPS (diff)		cp3, 9-15 MeV	P3, 9-15	Corrected Dome Protons	
P4	15-40	EPS (diff)		cp4, 15-40 MeV	P4, 15-40	Corrected Dome Protons	
P5	40-80	EPS (diff)		cp5, 38-82 MeV	P5, 40-80	Corrected Dome Protons	
P6	80-165	EPS (diff)		cp6, 84-200 MeV	P6, 80-165	Corrected Dome Protons	
P7	165-500	EPS (diff)		cp7, 110-900 MeV	P7, 165-500	Corrected Dome Protons	
P8	350-420	HEPAD (diff)		p8, 350-420 MeV	P8, 350-420	HEPAD	GNN_Date_HEPAD_nairas.txt
P9	420-510	HEPAD (diff)		p9, 420-510 MeV	P9, 420-510	HEPAD	
P10	510-700	HEPAD (diff)		p10, 510-700 MeV	P10, 510-700	HEPAD	
I3-I2	5-10	EPS (>10 - >5)		cpgt5, >5 MeV	I2, > 5	Corrected Integral Protons	G11_Date_protons_Integral_nairas.txt (channels I1-I7)
I4-I3	10-30	EPS (>30 - >10)		cpgt10, >10 MeV	I3, > 10	Corrected Integral Protons	
I5-I4	30-50	EPS (>50 - >30)		cpgt30, >30 MeV	I4, > 30	Corrected Integral Protons	
I6-I5	50-60	EPS (>60 - >50)		cpgt50, >50 MeV	I5, > 50	Corrected Integral Protons	
I7-I6	60-100	EPS (>100 - >60)		cpeq60, 60 MeV	I6, >60	Corrected Integral Protons	
A1	4-10	EPS (diff)		ca1, 4-10 MeV	A1, 4-10	Uncorrected Alpha particles	GNN_Date_ALPHA_nairas
A2	10-21	EPS (diff)		ca2, 10-21 MeV	A2, 10-21	Uncorrected Alpha particles	
A3	21-61	EPS (diff)		ca3, 21-61	A3, 21-60	Uncorrected Alpha particles	
A4	60-160	EPS (diff)		ca4, 60-160 MeV	A4, 60-150	Uncorrected Alpha particles	
A5	160-260	EPS (diff)		ca5, 160-260 MeV	A5, 150-250	Uncorrected Alpha particles	
A6	300-500	EPS (diff)		ca6,330-500	A6, 300-500	Uncorrected Alpha particles	

Last Update: 2-Jun-09