Interplanetary Shocks at STEREO A

Year	Month	Day	Hour	Minute	Second	B_{down}/B^{1}_{up}	θ^{2}_{Bn}	Mach Num[3].	Driver	Forward/Reverse Shock
2007	1	14	19	35	8	1.19	67.62	1.1		F (forward shock)
2007	2	12	8	10	6	1.27	47.32	1.28		F, closely followed by a F
2007	2	12	8	39	13	1.36	76.62	1.28		F, with downstream waves
2007	3	11	5	8	44	1.13	68.06	1.1	SIR	forming F, upstream waves, gradual increase of B, 1-min PLASTIC data gap
2007	4	21	18	59	15	1.57	76.64	1.4	SIR	F, nice
2007	4	23	6	53	44	1.32	72.97	1.22	SIR	R (reverse shock)
2007	5	7	8	11	54.4	1.72	80.28	1.54	SIR	F
2007	5	8	20	38	34	1.39	24.79	1.62	SIR	R, upstream waves
2007	5	22	1	59	45.33	1.21	46.52	1.19	ICME	F, nice
2007	6	9	13	15	50	1.28	67.01	1.2	after a small flux rope, maybe driven by overcoming fast wind	F, some ultra low freqency (ULF) waves in far upstream region
2007	6	10	12	55	35	1.22	63.95	1.18	small SIR	R, near a current sheet
2007	7	4	22	9	40	1.35	38.85	1.4	SIR	R, a lot of waves, not sharp B change
2007	7	11	20	22	25	2.25	61.79	2.19	SIR	R
2007	8	25	20	30	1	2.01	70.36	1.83	SIR	F
2007	9	13	17	54	19	1.21	80.64	1.16	SIR	F, sharp without waves, but Br crossed 0 within 3 min
2007	9	15	1	54	34.5	1.36	75.43	1.25	SIR	F, overshoot
2007	9	15	15	35	3	1.3	70.3	1.2	SIR	R, some downstream waves
2007	9	23	11	31	58	1.36	79.4	1.28	SIR	R
2007	9	30	11	9	6	1.55	76.53	1.4	SIR	R
2007	10	18	16	46	12	1.19	21.43	1.52	SIR	F
2007	11	14	15	49	34	1.37	65.15	1.28	SIR	R? no waves, Br crossing 0
2007	11	20	23	50	2.5	1.12	61.36	1.18	SIR	F, ULF waves around and far upstream
2008	1	8	1	48	30	1.36	66.3	1.28		R

Interplanetary Shocks at STEREO B

Year	Month	Day	Hour	Minute	Second	B_{down}/B_{up}	θ_{Bn}	Mach Num.	Driver	Forward/Reverse Shock
2007	1	14	20	1	27	1.24	65.41	1.18		F
2007	4	22	6	9	27.5	1.58	39.58	1.85	SIR	F
2007	4	23	13	21	10	1.65	33.87	2.12	SIR	developing R, with waves
2007	5	7	9	42	49	1.65	62.45	1.53	SIR	F
2007	5	17	21	23	19	1.37	61.69	1.28	SIR	F
2007	5	18	16	28	57	1.25	35.69	1.36	in SIR	R,not supported by 1-min plasma data
2007	5	22	17	29	52.5	1.33	80.66	1.24	in flux rope of ICME	F, with downstream waves
2007	6	30	10	10	46	1.22	31.93	1.33	SIR	weak R, some signatures in plasma data
2007	7	11	7	44	44	1.97	62.7	1.83	SIR	R, with upstream waves
2007	7	13	22	0	30	1.57	48.69	1.54	SIR	F, with waves
2007	7	20	1	22	15	1.45	51.55	1.38	SIR	F, with upstream waves
2007	8	6	22	8	16	1.61	75.06	1.48	SIR	R? not supported by plasma data
2007	8	10	16	39	10	1.69	34.26	1.94	SIR	R
2007	8	14	16	31	4	1.25	56.99	1.19	SIR	F
2007	8	24	14	16	33	1.58	68.98	1.44	SIR	F
2007	9	2	0	9	16.5	1.61	63.18	1.44	SIR	R
2007	9	13	18	34	19	1.67	70.79	1.51	ICME?	F
2007	9	19	18	15	3	1.64	65.59	1.5	SIR	F
2007	9	28	5	53	27	1.61	73.93	1.46	SIR	R
2007	9	29	7	54	21	1.87	40.82	2.04	SIR	developing R
2007	11	9	0	10	8	2.04	61.94	1.96	slow wind region	F
2007	11	19	13	49	36	1.84	62	1.72	SIR	F
2007	12	8	23	2	2.5	1.43	75.45	1.3	SIR	F
2007	12	16	0	16	33.5	1.16	82.41	1.1	SIR	weak F

[1] B_{down}/B_{up}: ratio of downstream magnetic field intensity to upstream magnetic field intensity

[2] θ_{Bn}: shock normal angle

[3] Mach Num: magnetosonic Mach number