SOLAR CORONAL MASS EJECTIONS (CMEs)
FROM SOHO/LASCO

http://cdaw.gsfc.nasa.gov/

Center for Solar Physics and Space Weather (CSPSW) – The Catholic University of America/NRL/NASA

MARCH 2006

First C2 Appearance		Central Width							Measurement	
		Position	Angular	Linear Fit	----2nd order speed-----			Accel	Position	Remarks
Date	Time UT	Angle degree	Width degree	Speed km/s	Initial km/s	Final km/s	20R km/s	m/s^2	Angle degree	
2006/03/01	02:05:04	299	41	275	183	367	495	9.0	296	
2006/03/02	00:05:04	105	27	51	30	70	252	2.6*	101	Poor Event; C2
2006/03/02	04:05:04	243	39	45	----	----	----	------	244	Very Poor Event
2006/03/02	10:35:07	97	35	406	371	442	424	2.2*	96	Only C3
2006/03/03	09:05:04	248	43	377	450	302	267	-6.3*	251	Poor Event
2006/03/03	19:05:56	233	155	157	----	----	----	------	243	Very Poor Event; Partial Halo
2006/03/05	04:05:04	139	50	169	86	254	314	4.0*	127	Poor Event
2006/03/05	13:05:05	59	22	199	103	304	315	4.0*	67	Poor Event
2006/03/06	12:05:04	53	26	143	----	----	----	------	55	Very Poor;OnlyC2
2006/03/06	13:05:04	255	42	179	175	183	197	0.4*	261	Poor Event
2006/03/10	03:24:44	290	128	114	51	180	225	2.0*	296	Partial Halo
2006/03/10	10:05:04	95	16	173	----	----	----	------	93	Very Poor Event; 3 points;Only C2
2006/03/10	15:05:04	303	35	314	84	564	476	9.3*	295	
2006/03/10	17:05:06	103	44	145	----	----	----	------	103	Very Poor Event; 3 points;Only C2
2006/03/11	01:05:04	291	18	303	137	465	457	8.7*	285	Poor Event
2006/03/11	08:05:04	297	31	373	237	517	549	10.5*	296	
2006/03/11	14:05:05	267	95	536	527	546	541	0.6	259	
2006/03/12	02:05:04	32	22	165	----	----	----	------	32	Very Poor Event; 3 points;Only C2
2006/03/12	04:05:04	254	37	224	201	249	257	1.1*	252	Poor Event
2006/03/12	11:05:04	251	33	352	265	442	412	4.4*	251	Poor Event
2006/03/16	16:48:04	258	47	65	----	----	----	------	259	Very Poor;OnlyC2
2006/03/17	03:12:04	246	28	302	----	----	----	------	244	Very Poor;OnlyC2
2006/03/17	09:00:05	115	36	646	410	912	844	22.6*	114	
2006/03/17	20:01:02	114	28	158	150	166	232	1.4*	113	Poor Event
2006/03/18	06:01:03	349	57	278	307	246	177	-2.6*	349	Poor Event
2006/03/18	23:54:33	292	28	277	----	----	----	------	291	Very Poor Event
2006/03/19	06:30:18	100	29	267	252	282	341	2.2*	95	Poor Event
2006/03/19	15:30:18	296	22	435	----	----	----	------	288	Very Poor Event
2006/03/20	04:54:31	113	13	245	----	----	----	------	111	Very Poor;OnlyC2
2006/03/20	07:54:47	113	16	385	----	----	----	------	112	Very Poor Event
2006/03/20	17:06:17	235	67	317	103	524	477	9.3*	236	
2006/03/21	03:06:20	26	68	306	209	410	400	5.2*	45	
2006/03/21	11:30:20	235	25	401	----	----	----	------	236	Very Poor Event
2006/03/22	19:31:59	101	94	309	170	438	485	8.6	98	
2006/03/23	04:26:04	240	18	241	----	----	----	------	241	Very Poor Event
2006/03/23	06:50:04	101	29	327	288	366	371	2.3	90	
2006/03/24	15:05:25	88	12	209	----	----	----	------	84	Very Poor Event

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Date	Time UT	Angle degree	Width degree	Speed km/s	Initial km/s	Final km/s	20R km/s	m/s^2	Angle degree	
2006/03/25	01:50:05	81	30	259	----	----	----	------	80	Very Poor Event
2006/03/26	04:06:04	243	23	35	----	----	----	------	247	Very Poor;OnlyC2
2006/03/26	12:26:04	81	37	384	445	322	303	-4.4*	89	
2006/03/26	23:26:04	89	82	470	547	395	255	-9.8*	71	
2006/03/27	02:50:04	93	65	336	275	403	613	12.7*	91	
2006/03/27	05:06:04	109	39	302	197	410	379	4.4	106	
2006/03/27	07:27:13	98	52	152	0	354	333	4.8*	100	
2006/03/27	20:26:04	302	76	418	102	728	710	20.4	305	
2006/03/30	13:27:14	121	13	116	----	----	----	------	119	Very Poor;OnlyC2
2006/03/31	00:26:05	279	44	282	285	279	270	-0.4*	270	Poor Event

CME heights are measured at the fastest segment of the leading edge
PA= Postion Angle measured from Solar North in degrees (Counter clockwise)

ONLINE -- Click on date to view java script movies -- **http://cdaw.gsfc.nasa.gov/**
ONLINE -- Click on time to see height-time digital files
ONLINE -- Click on speed to view height-time plot
Numbers in 2nd order fit columns correspond to the speed at the last height of measurement and at a distance of 20 solar radii.