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

AUGUST 2004

First C2 Appearance		Central Position	Width Angular	Linear Fit	----2nd order speed-----			Accel	Measurement 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	
2004/08/01	14:30:05	270	85	387	380	394	393	0.5	276	Only C3
2004/08/02	15:54:05	143	16	417	342	492	909	30.3	145	
2004/08/02	20:54:05	139	21	393	240	550	601	14.5	139	
2004/08/02	23:06:05	77	61	393	294	492	1314	68.2	79	Only 3 points/C2
2004/08/03	00:54:05	251	5	499	----	----	----	------	250	Only 2 points/C2
2004/08/04	01:31:47	78	59	412	407	418	544	5.5	85	Only 3 points/C2
2004/08/04	13:31:45	78	58	561	560	563	567	0.4	69	
2004/08/05	07:54:05	69	47	521	504	537	589	3.8	68	
2004/08/05	21:30:08	65	39	492	501	484	451	-2.0	65	
2004/08/06	10:30:19	268	48	103	0	271	355	5.4	262	
2004/08/07	06:30:05	67	48	238	168	315	526	10.5	65	
2004/08/08	08:54:05	Halo	360	1004	904	1112	1166	24.1	93	
2004/08/09	06:30:05	305	13	426	481	370	0	-14.7	296	
2004/08/09	11:54:20	266	57	294	284	303	341	1.5	259	
2004/08/09	15:06:06	266	45	668	691	642	652	-2.4	263	
2004/08/10	12:54:05	191	49	297	234	356	581	11.6	177	
2004/08/10	16:54:05	258	38	273	207	341	480	7.9	267	
2004/08/10	16:54:05	Halo	360	183	0	350	548	12.6	156	
2004/08/11	06:54:05	69	17	421	389	453	570	7.2	65	
2004/08/12	05:54:07	198	115	176	161	193	267	2.0	197	
2004/08/12	06:30:05	28	10	609	538	673	972	31.1	25	Only 3 points
2004/08/13	00:30:05	286	27	445	455	436	403	-1.9	288	
2004/08/13	19:36:05	196	96	412	418	403	406	-0.4	205	
2004/08/14	02:30:05	263	91	307	161	464	800	25.3	268	
2004/08/14	19:54:05	209	94	189	137	244	411	6.2	210	
2004/08/14	21:54:05	222	143	252	213	294	308	2.1	221	Partial Halo
2004/08/15	15:30:05	211	93	195	133	262	339	4.1	213	
2004/08/16	00:30:06	234	39	199	99	302	508	10.3	232	
2004/08/16	06:06:06	115	12	227	227	227	233	0.1	115	Only 3 points/C2
2004/08/16	12:30:05	302	96	589	466	714	696	11.2	298	
2004/08/17	06:06:05	116	131	637	497	780	773	14.4	127	Partial Halo
2004/08/18	16:54:05	91	26	760	769	751	746	-1.4	89	
2004/08/18	17:54:05	258	120	602	596	608	607	0.5	250	
2004/08/18	18:30:05	89	75	651	693	608	529	-8.4	86	
2004/08/18	19:31:46	118	56	152	107	199	388	5.7	127	Only C2
2004/08/19	02:54:05	85	15	594	565	623	760	11.2	84	
2004/08/19	05:06:05	103	39	279	183	384	423	6.5	106	

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

AUGUST 2004

First C2 Appearance		Central Position	Width Angular	Linear Fit	----2nd order speed-----			Accel	Measurement 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	
2004/08/20	06:30:05	61	58	417	473	362	0	-9.6	68	
2004/08/20	13:31:46	54	21	543	538	548	554	0.8	56	
2004/08/20	15:54:05	63	160	667	571	761	1235	52.4	47	Only C2, Partial Halo
2004/08/21	05:54:05	325	23	262	----	----	----	------	332	Only 3 points/C2
2004/08/21	07:31:50	269	73	182	187	176	64	-1.3	250	Only C2
2004/08/21	23:06:50	257	75	205	191	222	239	0.8	270	
2004/08/22	05:54:05	93	32	421	569	271	0	-47.1	90	
2004/08/22	17:30:05	94	42	321	278	364	608	12.0	85	Only C2
2004/08/23	00:30:05	98	36	403	456	347	137	-7.9	81	
2004/08/23	22:30:05	306	50	----	----	----	----	------	302	Only 1 points, Only C2, Unable to measure
2004/08/24	13:54:05	83	105	817	819	815	816	-0.2	91	
2004/08/24	21:30:08	242	>91	571	678	474	0	-31.5	257	
2004/08/25	13:31:46	136	182	108	0	195	330	4.5	105	Partial Halo
2004/08/25	18:52:22	263	10	420	329	502	718	17.5	259	Only 3 points
2004/08/26	06:30:05	246	54	127	0	280	365	5.6	243	
2004/08/26	12:30:06	206	119	184	75	295	372	5.5	205	
2004/08/26	16:54:29	316	16	157	161	154	101	-0.6	318	Only C2
2004/08/26	21:54:06	111	67	280	157	410	463	8.2	108	
2004/08/27	09:30:05	261	70	554	351	767	729	17.0	249	
2004/08/28	12:30:05	266	16	429	----	----	----	------	264	Only 3 points/C2
2004/08/29	02:30:05	274	29	1195	1340	1044	849	-46.3	270	
2004/08/30	03:54:05	269	100	362	320	401	776	21.8	277	Only C2
2004/08/30	05:54:05	271	48	89	56	123	460	8.5	268	Only C2
2004/08/30	16:54:07	265	64	252	311	195	0	-9.7	277	
2004/08/30	23:30:06	282	43	273	311	236	0	-15.1	283	Only C2
2004/08/31	05:54:05	272	70	311	350	271	199	-3.4	267	
2004/08/31	07:54:05	268	53	132	0	274	366	5.8	270	Not LE
2004/08/31	14:54:05	265	76	503	----	----	----	------	272	Only 2 points/C2

If you use data from this catalog, please acknowledge as follows:
"This CME catalog is generated and maintained by the Center for Solar Physics and Space Weather, The Catholic University of America in cooperation with the Naval Research Laboratory and NASA. SOHO is a project of international cooperation between ESA and NASA."

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
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.