MLSO K-Coronameter 1995 Coronal Mass Ejections page 1 of 2

Date	DOY	Time [UT]	Ctrl PA [deg]	Width [deg]	Kinematics						Comments
					Trajectory Times [UT]	Speed [km/s]	Speed PA	#Data Pts	Qual	Feature	
Jan 23	023	~18:13-21:00?	~085	~084	—	—	—	—	0	Loop	Very faint loop/cavity forms or becomes visible between 18:13 and 18:34 UT over the east limb. The front of the event is not measurable. Data gap occurs between 18:34 and 19:47 UT. Loop is beyond the field of view by 19:47. Very faint core may be present between 19:47 and 21:00. Mass ejection is superposed on broad helmet streamer or multiple background structures. Slight deflections south of CME.
Mar 02	061	~19:42~20:55	283	055	19:45-20:10	$461_1\star$ 496_2	285	9	5	Loop	Nice loop/cavity (no core). Top of loop may be forming just above the apparent height of the occulting disk (disk at 1.12 $R_\odot$) over the west limb. Legs of CME are superposed on what appears to be two separate streamers. Streamers remain after event leaves field of view but coronal material in central CME region is depleted.
			286	018	19:51-20:23	$261_1\star$ 146_2	285	11	6	Cavity	
Mar 21	080	<18:12>20:09	~115	~040	—	—	—	—	0	Loop	Very slow-moving(?) loop/cavity and core(?) superposed on on southeast streamer. Less than two hours of observations this day. Event appears to be in progess when observations begin at 18:12 and is still in field of view when data ends at 20:09.
Apr 22	112	17:31-18:19	~275	~014	17:31-17:49	260_1 $485_2\star$	276	6	5	Loop	Faint loop(?)/cavity with brighter core appears from ‘beneath’ the occulting disk over the west limb. Base of core is ‘U’-shaped by ~18:06 at 1.5 $R_\odot$. Part of corona above CME site is depleted by ~18:30. Structures to the north and south of CME are deflected.
					17:49-18:02	$394_1\star$ 452_2	280	5	3	Core	
Jun 04	155	<16:45~21:30	~120	~024	19:16-20:34	042_1 $117_2\star$	120	14	6	Cavity	Loop/cavity with core in field of view over the southeast limb when observations begin at 16:45. Event moves slowly through field of view until ~20:00 UT when measurable acceleration occurs. No obvious deflections.
					19:16-20:52	044_1 $097_2\star$	120	20	4	Core	
Aug 18	230	17:13~18:00	~080	~052	17:15-17:41	$320_1\star$ 286_2	078	9	8	Loop	Loop/cavity with bright core appears from ‘beneath’ the occulting disk over the east limb. Loop/cavity are ejected from field of view but bright (prominence) core rises to a height of ~1.32$R_\odot$ and then falls sunward. Loop may be wider (further south?). No obvious deflections.
			077	020	17:15-17:41	$176_1\star$ 115_2	078	9	8	Cavity	

$\text{Speed}_1 \Rightarrow$ Speed was determined from a constant velocity fit to the number of points indicated.
$\text{Speed}_2 \Rightarrow$ Speed was determined from a constant acceleration fit to the number of points indicated evaluated at the time of the last measurement (in Trajectory Times column).
$\star$ Preferred fit to the data.

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Sep 04	247	<17:10>21:10	~272	~035	17:36-19:38	$044_1\star$ 056_2	272	12	4	Cavity	Faint loop(?)/cavity and inner prominence loop in field of view over the west limb when observations begin at 17:10. Top of loop is too faint to measure. Cavity may be forming in the field of view, becoming more pronounced by 17:36. The inner prominence loop is the brightest part of the event. The corona beneath the ejection is depleted. The helmet streamer north of event is deflected (slightly) poleward.
			269	019	17:24-20:10	028_1 $056_2\star$	270	40	8	Prominence	
Oct 17	290	~19:15~20:55	~302	~032	19:21-19:52	$282_1\star$ 239_2	292	11	6	Loop	Faint loop(?)/cavity with (prominence?) core over northwest limb superposed on background coronal structures. Front may be forming in the MK3 field of view. Northern side of event is much brighter than the south side. Slight deflections just north of event.
			~297	~015	19:33-19:41	$051_1\star$ 088_2	296	4	3	Cavity	
			290	009	19:33-19:52	$337_1\star$ 221_2	288	7	4	Core	
Nov 19	323	<18:11->23:03	~288	~025	—	—	—	—	1	Loop	Faint loop(?)/cavity with brighter prominence core over west limb. Loop(?)/cavity may be forming in MK3 field of view. Prominence core is visible over edge of occulter when Hα observations begin at 17:14. Loop/cavity are too faint to measure a speed. Prominence moves non-radially (poleward) and is still moving outward through the field of view when observations end at 23:03. No obvious deflections.
			~287	~016		—	—	—	1	Cavity	
			285	010	18:44-22:44	021_1 $055_2\star$	286	40	7	Prominence	

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