Dates Phenomena Locations	Begins h m s	Maxi. h m s	Ends h m s	Magn. drop	Ph. (s)	Dist. (Rs)	O-C (s)	Ap. (cm)	Rec.	El. Sat. (°)	El. Sun (°)	Cd.	Filt.	T. int. (s)	Dia. (")	Sat. in dia.
97/ 7/ 9 **2 E3(pe)**	0 13 3	0 16 22	0 19 41	.095	-3.7	1.5										
SEVILLA		0 17 41 ± 21		.017 ± .002			-79	T 21.	VISU	26	-30	1	-	-	-	-
REUX		0 16 27 ± 193		.043 ± .269			-5	T 30.	CCD5	20	-17	0	-	0.04	-	-
97/ 7/12 **2 E1(P)**	20 45 35	20 47 45	20 49 53	.297	-2.2	2.3										
VAINU BAPPU OBS.		20 47 43 ± 3		.254 ± .012			1	T 235.	CCDC	62	-45	1	*3	-	-	-
97/ 7/15 **1 O3(pa)**	18 55 42	18 58 12	19 0 42	.169	3.5	3.1										
ALMA-ATA		18 56 6 ± 14		.132 ± .025			126	T 60.	CCDST	26	-25	2	-	0.8	-	-
97/ 7/16 **2 E3(an)**	3 25 16	3 28 57	3 32 37	.208	-3.4	1.5										
TENERIFE		3 28 58 ± 5		.214 ± .013			-1	T 80.	CCDW	45	-30	0	B	1.	-	-
SAN-FERNANDO		3 30 8 ± 4		2.153 ± .443			-71	T 33.	PM4	35	-18	0	-	-	-	-
97/ 7/18 **3 E2(pe)**	18 51 31	18 56 37	19 1 43	.240	-3.1	8.6										
ALMA-ATA		18 56 44 ± 21		.222 ± .033			-6	T 60.	CCDST	27	-26	0	2	0.8	-	-
KAVALUR		18 56 55 ± 5		.232 ± .010			-17	T 102.	CCDC	54	-56	0	1 *3	-	-	-
97/ 7/18 **3 O2(pa)**	20 42 49	20 47 48	20 52 48	.182	4.1	9.1										
TORINO		20 48 46 ± 4		1.325 ± .028			-58	T 15.	CCD2	6	-14	0	2	3.5	-	-
ALMA-ATA		20 47 55 ± 7		.390 ± .018			-7	T 60.	CCDST	31	-21	0	2	0.5	-	-
97/ 7/19 **3 O1(pa)**	20 56 28	20 59 23	21 2 17	.293	2.1	3.4										
TORINO		20 59 17 ± 10		.977 ± .102			6	T 15.	CCD2	8	-16	0	2	2.	-	-
ALMA-ATA		20 59 15 ± 5		.520 ± .036			8	T 60.	CCDST	30	-20	0	2	0.5	-	-
OHP		20 59 15 ± 11		.620 ± .078			8	T 80.	CCD1	23	-25	0	2	-	-	-
97/ 7/19 **2 E1(pe)**	22 57 57	22 59 54	23 1 50	.149	-1.4	1.9										
REUX		23 0 8 ± 112		.115 ± .313			-14	T 30.	CCD5	17	-18	0	-	0.04	-	-
BORDEAUX		22 59 22 ± 49		.087 ± .069			33	T 62.	CCD1	19	-23	0	R	0.5	-	-
97/ 7/23 **2 E3(A)**	6 37 43	6 41 35	6 45 27	.313	-2.7	1.4										
TOPEKA		6 40 56 ± 151		.042 ± .017			0	L 38.	CCD12	33	-31	0	1	-	-	-
97/ 7/24 **1 E4(pe)**	18 15 11	18 21 30	18 27 55	.000	-3.6	6.7										
ALMA-ATA		18 21 29 ± 21		.247 ± .038			1	T 60.	CCDST	26	-27	0	2	0.5	-	-
97/ 7/25 **1 E4(an)**	20 45 0	20 52 2	20 58 58	.300	-3.6	4.2										
NAUSCHNY		20 51 50 ± 20		.396 ± .059			12	T 60.	PMW	23	-24	0	2 V	-	35.	-
ALMA-ATA		20 51 37 ± 13		.470 ± .039			25	T 60.	CCDST	30	-22	0	2	0.5	-	-
OHP		20 51 27 ± 43		.431 ± .120			35	T 80.	CCD1	9	-15	0	2	-	-	-
97/ 7/25 **3 E2(pa)**	22 25 55	22 31 4	22 37 25	.330	-2.5	8.9										
SEVILLA		22 32 43 ± 10		.806 ± .050			-63	T 21.	VISU	21	-27	0	1	-	-	-
CATANIA		22 32 3 ± 29		.036 ± .006			-23	T 91.	PM	31	-32	0	1 V	0.1	21.	-
ALMA-ATA		22 32 0 ± 36		.321 ± .090			-20	T 60.	CCDST	21	-10	0	2	0.5	-	-
OCA		22 32 17 ± 22		.181 ± .063			-37	T 150.	PM7	23	-25	0	B	0.2	-	-
OCA		22 32 7 ± 19		.543 ± .141			-27	T 150.	PM7	23	-25	0	R	0.2	-	-
OCA		22 32 24 ± 23		.184 ± .071			-44	T 150.	PM7	23	-25	0	V	0.2	-	-
BUCHAREST1		22 31 59 ± 23		.302 ± .049			-19	L 38.	CCDI	28	-26	0	1 GG	1.	-	-
LISBOA		22 31 48 ± 69		.319 ± .253			-8	T 25.	CCD2	19	-24	0	-	-	-	-
OHP		22 32 18 ± 15		.453 ± .044			-38	T 80.	CCD1	22	-25	0	2	-	-	-
97/ 7/25 **3 O2(pa)**	23 44 18	23 49 56	23 55 36	.228	2.9	9.2										
LUMEZZANE		23 50 23 ± 20		.484 ± .060			-27	T 40.	PM1	28	-25	0	V	0.01	-	-
NAUSCHNY		23 50 6 ± 14		.459 ± .039			-10	T 60.	PMW	28	-20	0	1 V	-	35.	-
OCA		23 50 42 ± 14		.651 ± .055			-46	T 150.	PM7	29	-27	0	B	0.2	-	-
OCA		23 51 10 ± 16		1.032 ± .203			-74	T 150.	PM7	29	-27	0	R	0.2	-	-