

* NOVA *

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ASSOCIAZIONE ASTROFILI SEGUSINI

COMETA C/2012 F6 (LEMMON)

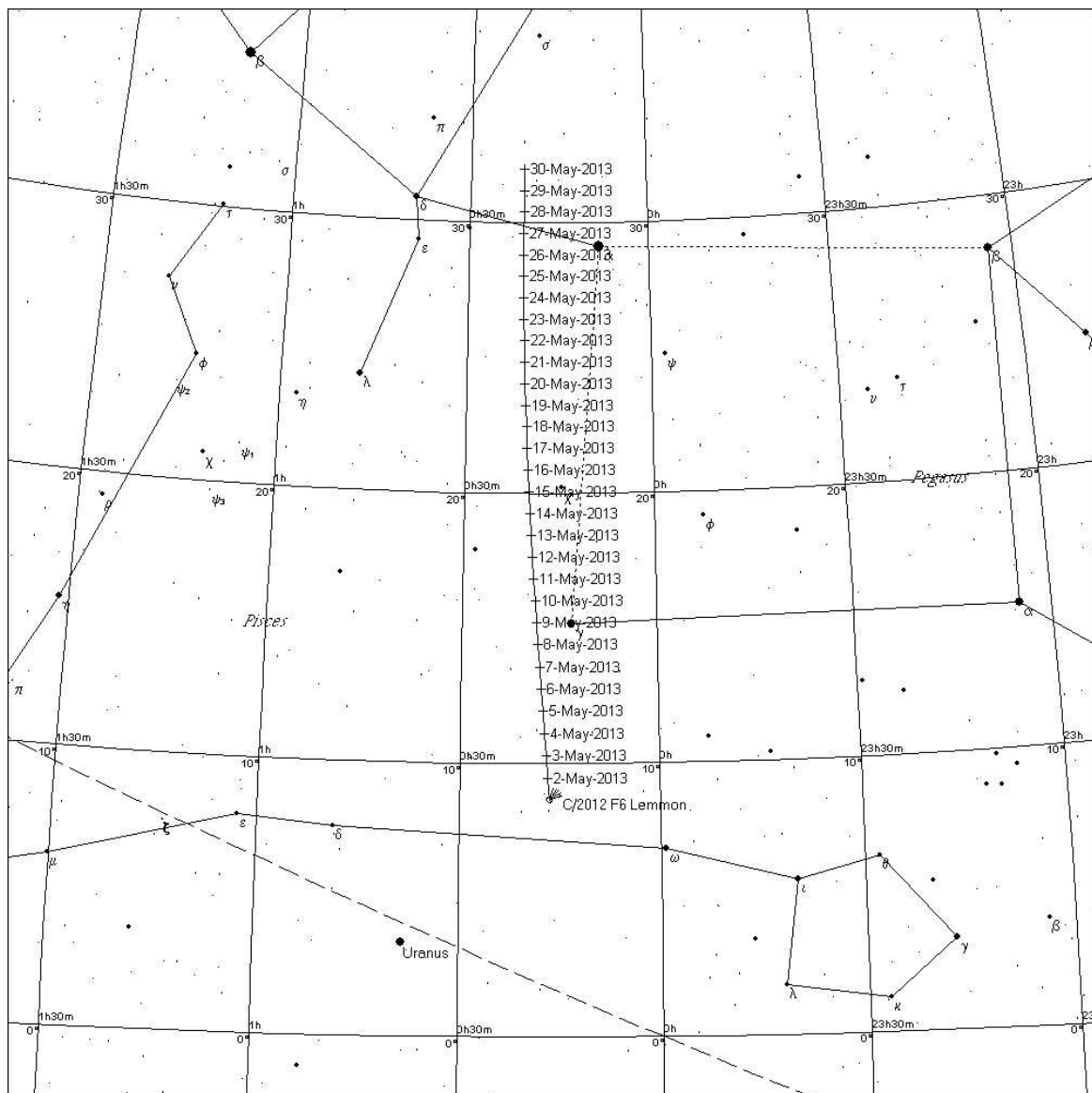
La cometa C/2012 F6 (Lemmon) è stata scoperta il 23 marzo 2012 da Alex R. Gibbs dall'Osservatorio di Monte Lemmon in Arizona con un riflettore di 1.5 m di diametro: aveva magnitudine 20.6-20.8 ed aveva aspetto asteroidale. Lo stesso giorno un astrofilo, Peter Birtwhistle (Great Shefford, Berkshire, England), con un riflettore di 40 cm di diametro riscontrò la presenza di una tenue chioma intorno all'oggetto, confermando la natura cometaria.

Nel mese di maggio la cometa Lemmon sarà visibile, con telescopi, al mattino: la cartina mostra le posizioni alle 5 di ora legale (3 UT); le elongazioni dal Sole passano da 30 a 50 gradi a maggio.

Le effemeridi riportate a pagina seguente sono calcolate dal JPL per il Grange Observatory.

La Lemmon percorre un'orbita ellittica altamente eccentrica, inclinata di circa 82.6° rispetto al piano dell'eclittica. Il 24 marzo scorso è passata al perielio a 0.73 UA dal Sole; l'afelio è a 973 UA dal Sole. Il 5 febbraio è stata alla minima distanza dalla Terra a poco meno di 1 UA.

Si ritiene che la cometa provenga dalla Nube di Oort e sia al suo primo passaggio nel sistema solare interno.



Ephemeris / WWW_USER Tue Apr 30 00:47:59 2013 Pasadena, USA / Horizons
 Center-site name: Grange Observatory, Bussoleno

 Date__(UT)__HR:MN R.A.__(ICRF/J2000.0)_DEC Azi_(a-appr)_Elev T-mag N-mag S-O-T /r Cnst

Date__(UT)__HR:MN	R.A.__(ICRF/J2000.0)_DEC	Azi_(a-appr)_Elev	T-mag	N-mag	S-O-T	/r	Cnst
2013-May-01 03:00 Am	00 16 34.63 +08 37 45.6	81.7610 4.0836	6.01	14.62	34.0000	/L	Psc
2013-May-02 03:00 Am	00 16 50.23 +09 27 30.2	81.8177 5.3124	6.11	14.65	34.6906	/L	Psc
2013-May-03 03:00 Am	00 17 05.74 +10 17 06.8	81.8716 6.5385	6.21	14.69	35.3888	/L	Psc
2013-May-04 03:00 Am	00 17 21.11 +11 06 35.6	81.9225 7.7619	6.31	14.72	36.0939	/L	Psc
2013-May-05 03:00 Am	00 17 36.31 +11 55 56.9	81.9699 8.9827	6.41	14.76	36.8051	/L	Psc
2013-May-06 03:00 Nm	00 17 51.30 +12 45 10.9	82.0137 10.2009	6.50	14.79	37.5218	/L	Psc
2013-May-07 03:00 Nm	00 18 06.02 +13 34 17.9	82.0535 11.4164	6.60	14.83	38.2435	/L	Psc
2013-May-08 03:00 N	00 18 20.45 +14 23 18.0	82.0889 12.6295	6.70	14.86	38.9696	/L	Psc
2013-May-09 03:00 N	00 18 34.53 +15 12 11.5	82.1196 13.8400	6.79	14.89	39.6997	/L	Psc
2013-May-10 03:00 N	00 18 48.22 +16 00 58.5	82.1453 15.0480	6.89	14.92	40.4332	/L	Psc
2013-May-11 03:00 N	00 19 01.48 +16 49 39.3	82.1655 16.2535	6.98	14.95	41.1697	/L	Psc
2013-May-12 03:00 N	00 19 14.26 +17 38 13.9	82.1800 17.4565	7.08	14.98	41.9059	/L	Psc
2013-May-13 03:00 N	00 19 26.53 +18 26 42.6	82.1882 18.6570	7.17	15.02	42.6503	/L	Psc
2013-May-14 03:00 N	00 19 38.23 +19 15 05.5	82.1899 19.8550	7.26	15.05	43.3936	/L	Psc
2013-May-15 03:00 N	00 19 49.31 +20 03 22.6	82.1844 21.0505	7.35	15.07	44.1384	/L	Psc
2013-May-16 03:00 N	00 19 59.75 +20 51 34.1	82.1714 22.2434	7.44	15.10	44.8845	/L	Psc
2013-May-17 03:00 N	00 20 09.48 +21 39 40.0	82.1504 23.4337	7.53	15.13	45.6316	/L	Psc
2013-May-18 03:00 N	00 20 18.46 +22 27 40.5	82.1208 24.6213	7.62	15.16	46.3793	/L	And
2013-May-19 03:00 N	00 20 26.65 +23 15 35.5	82.0820 25.8062	7.71	15.19	47.1275	/L	And
2013-May-20 03:00 N	00 20 33.99 +24 03 25.0	82.0336 26.9883	7.80	15.21	47.8758	/L	And
2013-May-21 03:00 N	00 20 40.44 +24 51 09.2	81.9748 28.1676	7.88	15.24	48.6240	/L	And
2013-May-22 03:00 N	00 20 45.95 +25 38 47.9	81.9050 29.3438	7.97	15.27	49.3719	/L	And
2013-May-23 03:00 N	00 20 50.47 +26 26 21.2	81.8234 30.5170	8.05	15.29	50.1193	/L	And
2013-May-24 03:00 Nm	00 20 53.94 +27 13 49.0	81.7293 31.6869	8.14	15.32	50.8660	/L	And
2013-May-25 03:00 Nm	00 20 56.32 +28 01 11.3	81.6218 32.8536	8.22	15.34	51.6118	/L	And
2013-May-26 03:00 Nm	00 20 57.54 +28 48 27.9	81.5001 34.0167	8.30	15.36	52.3565	/L	And
2013-May-27 03:00 Nm	00 20 57.55 +29 35 38.9	81.3633 35.1762	8.38	15.39	53.0999	/L	And
2013-May-28 03:00 Nm	00 20 56.28 +30 22 44.1	81.2103 36.3319	8.47	15.41	53.8419	/L	And
2013-May-29 03:00 Nm	00 20 53.68 +31 09 43.4	81.0400 37.4835	8.55	15.43	54.5823	/L	And
2013-May-30 03:00 Nm	00 20 49.67 +31 56 36.6	80.8514 38.6310	8.63	15.46	55.3210	/L	And
2013-May-31 03:00 Nm	00 20 44.18 +32 43 23.5	80.6432 39.7740	8.70	15.48	56.0577	/L	And

Column meaning:

TIME

Prior to 1962, times are UT1. Dates thereafter are UTC. Any 'b' symbol in the 1st-column denotes a B.C. date. First-column blank (" ") denotes an A.D. date. Calendar dates prior to 1582-Oct-15 are in the Julian calendar system. Later calendar dates are in the Gregorian system. Time tags refer to the same instant throughout the universe, regardless of where the observer is located. The uniform Coordinate Time scale is used internally. It is equivalent to the current IAU definition of "TDB". Conversion between CT and the selected non-uniform UT output scale has not been determined for UTC times after the next July or January 1st. The last known leap-second is used over any future interval. NOTE: "n.a." in output means quantity "not available" at the print-time.

SOLAR PRESENCE (OBSERVING SITE)

Time tag is followed by a blank, then a solar-presence symbol:
 '*' Daylight (refracted solar upper-limb on or above apparent horizon)
 'C' Civil twilight/dawn 'N' Nautical twilight/dawn 'A' Astronomical twilight/dawn ' ' Night OR geocentric ephemeris

LUNAR PRESENCE (OBSERVING SITE)

The solar-presence symbol is immediately followed by a lunar-presence symbol:
 'm' Refracted upper-limb of Moon on or above apparent horizon
 ' ' Refracted upper-limb of Moon below apparent horizon OR geocentric ephemeris

R.A.__(ICRF/J2000.0)_DEC =

J2000.0 astrometric right ascension and declination of target center. Adjusted for light-time. Units: HMS (HH MM SS.ff) and DMS (DD MM SS.f)

Azi_(a-appr)_Elev =

Airless apparent azimuth and elevation of target center. Adjusted for light-time, the gravitational deflection of light, stellar aberration, precession and nutation. Azimuth measured North(0) -> East(90) -> South(180) -> West(270) -> North(360). Elevation is with respect to plane perpendicular to local zenith direction. TOPOCENTRIC ONLY. Units: DEGREES

T-mag N-mag =

Comet's approximate apparent visual total magnitude ("T-mag") and nuclear magnitude ("N-mag") by following definitions:
 T-mag = M1 + 5*log10(delta) + k1*log10(r) N-mag = M2 + 5*log10(delta) + k2*log10(r) + phcof*beta Units: magnitudes

S-O-T /r =

Sun-Observer-Target angle; target's apparent solar elongation seen from observer location at print-time. If negative, the target center is behind the Sun. Angular units: DEGREES.

The '/r' column is a Sun-relative code, output for observing sites with defined rotation models only.

/T indicates target trails Sun (evening sky) /L indicates target leads Sun (morning sky)

NOTE: The S-O-T solar elongation angle is the total separation in any direction. It does not indicate the angle of Sun leading or trailing.

Cnst =

Constellation ID; the 3-letter abbreviation for the name of the constellation containing the target center's astrometric position, as defined by IAU (1930) boundary delineation. See documentation for list of abbreviations.

Computations by ...

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