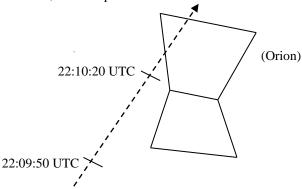
Astronomical League Earth Orbiting Satellite Observing Program Observation Report Form

Observers Name		N
Date of Observation		
Satellite Name and Element Set Satellite ID		
Date of Element Set Used		
Location of Observer Latitude (use decimal degrees only)		
Longitude(use decimal degrees only, w	vest is negative) E	
Elevation(specify feet or meters)		
Instrument Used (check one) Unaided EyeBinocularsTelescope – specify ap	perture	
Comments		
Draw or sketch the path of the satellite across the sky relative to bright stars. The outer ring represents the horizon.		
IMPORTANT - Place time "hacks" on at least two locations on the satellite track, including the time-zone and daylight/standard time references, for example 01:20:50 UTC, 19:30:40 EST, 23:10:59 PDT, etc.). Observation Number (1-28)		
Observation Objective (subject to change - ch	neck only one task per observation)	
Active Payload (4) 1 Ma 2 3 4	Multinational (5) ISS	
Rocket Bodies (4) 1 Mu 2 3 4	Japan	
Formation (2) 1 a b Age 2 a b	ed Elsets (4)	

Observing Guidelines and Suggestions

General Rules (subject to change)

- 1) Provide one observation sheet for each observation task shown.
- 2) Be sure to state both the spacecraft name <u>and</u> id (Satellite Number or International Designation) on each observation sheet.
- 3) Sketch the path of the satellite's motion across the sky, being sure to include at least two time hacks and reference constellations, for example:



- 4) Record the time of observations as accurately as possible. Use WWV' the U.S. Naval Observatory web site or a GPS based watch to set your clock before observing.
- 5) Any single observation (pass) can only be used to satisfy one task, for example, observing the Soyuz flying in formation with the Space Station Alpha (ISS) can be used as a Soyuz observation and an ISS observation, OR as a formation pass, but not both.
- 6) If you have any questions contact the EOSOP Coordinator.
- 7) Verification of observations can be time consuming. After submitting *copies* of your observing logs, please allow 4 weeks to receive your EOSOP certificate. NOTE: Observing logs will NOT be returned please submit copies only to:

Brad Young EOSOP Coordinator 212 E. 16th St. Tulsa OK USA 74119 (918) 629 9160 allenb_young@yahoo.com

Active Payloads - Observe four *different* operational spacecraft. For example, HST, weather/imaging satellites, communications satellites, etc.

Rocket Bodies - Observe four *different* rocket bodies. These can often be seen as "flashers", and are usually denoted by "r/b" in the elset.

Multinational - Observe objects from five *different* countries. If the country is not listed, record the name of the country on the observation form.

Manned Spaceflight - Observe three *different* manned spacecraft, e.g. two Russian Soyuz and one space station, two SpaceX Manned Dragon and one Boeing Starliner, etc.

Multipass - Observe an object (2) on multiple passes on a single night (pass "a" and pass "b").

Aged Elsets - Observe an object twice, once with an elset less than 1 week old, and later (3 or more weeks after the first observation) using a prediction with the same, now older, elset (pass "a" and pass "b").

Formation - Observe 2 (or more) objects flying in formation, e.g. Soyuz and ISS prior to docking or after separation (object "a" and object "b"). Record multiple objects flying in formation on a single observation report form. Successfully completing a formation pass equals two 'observations'

Constellation – Observe 2 different satellites in the same constellation.