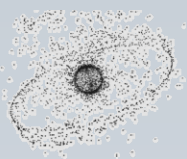


WG1 Review of WG2 Proposal for (AI 25.1) Data of Interest to WG2

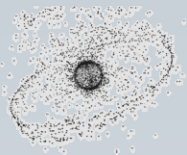
T. Schildknecht
WG1 Chair

30th IADC Meeting, May 22 – 25, 2012,
CSA, Montreal, Canada



Information exchange between WG1 & WG2: content & format

- **WG1 agrees on including detection lists**
- **Proposed next steps**
 - WG1 proposes to agree on content and to continue discussing technical details within WG1 (details of the format, data definitions, etc.)
 - WG2 may assess specific modeling needs concerning the light curves (all altitude regimes and object classes)
 - Deadline for both actions: SG meeting in October 2012



WG1 proposes to include 3 data types for the optical observations:

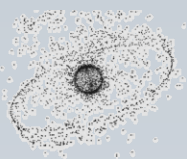
■ Detection lists

for each individual detection:

- time tag (UTC, mid-exposure epoch)
- astrometric position (RA/DEC, J2000, topocentric, ...)
- formal errors of astrometric position (1-sigma)

if available:

- apparent magnitude (calibrated)
- error of magnitude
- passband (filter) identification
- object identifier for “correlated” objects (SATNO, etc.)



Information exchange between WG1 & WG2: content & format

- **Tracklets**

- extended detection list linking individual detections

- **Light curves**

(brightness variation as a function of time)

- raw intensity data, apparent magnitudes, or “absolute” magnitudes (depends on modeling needs) as function of absolute or relative epoch

additional information as needed, e.g.

- positions (instrument pointings or astrometric positions)
- object identification (correlated objects)
- orbit data for correlated objects
- other parameters as for the detection list