

Some VOEvent IDs and What sections

SDSS Supernova Search

ivo://nvo.caltech/voeventnet/sdssss#200722282

```
<What>
  <Group type="phot_pt" name="r-band photometry">
    <Param value="21.0" unit="" ucd="phot.mag;em.opt.r" name="mag"/>
    <Param value="0.1" unit="" ucd="phot.mag;em.opt.r;stat.error" name="mag"/>
    <Param value="2454381.8971398" unit="" ucd="time.epoch" name="epoch"/>
    <Param value="26.218309" unit="" ucd="pos.eq.ra" name="ra"/>
    <Param value="1.229870" unit="" ucd="pos.eq.dec" name="dec"/>
    <Description/>
  </Group>
  <Group type="phot_pt" name="i-band photometry">
    <Param value="20.4" unit="" ucd="phot.mag;em.opt.i" name="mag"/>
    <Param value="0.1" unit="" ucd="phot.mag;em.opt.i;stat.error" name="mag"/>
    <Param value="2454381.8979691" unit="" ucd="time.epoch" name="epoch"/>
    <Param value="26.218430" unit="" ucd="pos.eq.ra" name="ra"/>
    <Param value="1.229900" unit="" ucd="pos.eq.dec" name="dec"/>
    <Description/>
  </Group>
  <Group type="phot_pt" name="r-band photometry">
    <Param value="20.7" unit="" ucd="phot.mag;em.opt.r" name="mag"/>
    <Param value="0.1" unit="" ucd="phot.mag;em.opt.r;stat.error" name="mag"/>
    <Param value="2454384.9035624" unit="" ucd="time.epoch" name="epoch"/>
    <Param value="26.218330" unit="" ucd="pos.eq.ra" name="ra"/>
    <Param value="1.229820" unit="" ucd="pos.eq.dec" name="dec"/>
    <Description/>
  </Group>
  <Group type="phot_pt" name="i-band photometry">
    <Param value="21.2" unit="" ucd="phot.mag;em.opt.i" name="mag"/>
    <Param value="0.2" unit="" ucd="phot.mag;em.opt.i;stat.error" name="mag"/>
    <Param value="2454384.9043917" unit="" ucd="time.epoch" name="epoch"/>
    <Param value="26.218309" unit="" ucd="pos.eq.ra" name="ra"/>
    <Param value="1.229830" unit="" ucd="pos.eq.dec" name="dec"/>
    <Description/>
  </Group>
  <Group type="phot_pt" name="r-band photometry">
    <Param value="21.3" unit="" ucd="phot.mag;em.opt.r" name="mag"/>
    <Param value="0.2" unit="" ucd="phot.mag;em.opt.r;stat.error" name="mag"/>
    <Param value="2454433.8050860" unit="" ucd="time.epoch" name="epoch"/>
    <Param value="26.218479" unit="" ucd="pos.eq.ra" name="ra"/>
    <Param value="1.229960" unit="" ucd="pos.eq.dec" name="dec"/>
    <Description/>
  </Group>
  <Group type="phot_pt" name="i-band photometry">
    <Param value="20.9" unit="" ucd="phot.mag;em.opt.i" name="mag"/>
    <Param value="0.2" unit="" ucd="phot.mag;em.opt.i;stat.error" name="mag"/>
    <Param value="2454433.8059153" unit="" ucd="time.epoch" name="epoch"/>
    <Param value="26.218540" unit="" ucd="pos.eq.ra" name="ra"/>
    <Param value="1.229930" unit="" ucd="pos.eq.dec" name="dec"/>
    <Description/>
  </Group>
  <Description/>
  <Reference uri="http://sdssdp47.fnal.gov/sdsssn/candidates/examineCand.php?cid=22282" type="uri"
name="SDSS 2007 Candidate 22282"/>
</What>
```

TALONS SWIFT event

ivo://talons.lan/gcn.gsfc#swift/30363165a

```
<What>
<Param value="65" name="PACKET_TYPE"/>
<Param value="303631" name="TRIG_NO"/>
<Param value="14514" name="BURST_TJD"/>
<Param value="86264.406" name="BURST_SOD"/>
  <Group name="GCN_RAW_DATA">
    <Param value="65" name="INT_0"/>
    <Param value="2" name="INT_1"/>
    <Param value="0" name="INT_2"/>
    <Param value="5687800" name="INT_3"/>
    <Param value="17080847" name="INT_4"/>
    <Param value="14514" name="INT_5"/>
    <Param value="8626441" name="INT_6"/>
    <Param value="1779569" name="INT_7"/>
    <Param value="-530970" name="INT_8"/>
    <Param value="1621000" name="INT_9"/>
    <Param value="112527656" name="INT_10"/>
    <Param value="0" name="INT_11"/>
    <Param value="0" name="INT_12"/>
    <Param value="0" name="INT_13"/>
    <Param value="0" name="INT_14"/>
    <Param value="0" name="INT_15"/>
    <Param value="0" name="INT_16"/>
    <Param value="0" name="INT_17"/>
    <Param value="3" name="INT_18"/>
    <Param value="549453824" name="INT_19"/>
    <Param value="0" name="INT_20"/>
    <Param value="0" name="INT_21"/>
    <Param value="0" name="INT_22"/>
    <Param value="0" name="INT_23"/>
    <Param value="0" name="INT_24"/>
    <Param value="0" name="INT_25"/>
    <Param value="0" name="INT_26"/>
    <Param value="0" name="INT_27"/>
    <Param value="0" name="INT_28"/>
    <Param value="0" name="INT_29"/>
    <Param value="0" name="INT_30"/>
    <Param value="0" name="INT_31"/>
    <Param value="0" name="INT_32"/>
    <Param value="0" name="INT_33"/>
    <Param value="0" name="INT_34"/>
    <Param value="0" name="INT_35"/>
    <Param value="0" name="INT_36"/>
    <Param value="0" name="INT_37"/>
    <Param value="9900" name="INT_38"/>
    <Param value="10" name="INT_39"/>
  </Group>
  <Group name="MISC_FLAGS"/>
</What>
```

TALONS INTEGRAL event

ivo://talons.lanl/gcn.gsfc#integral/525853

```
<What>
<Param value="53" name="PACKET_TYPE"/>
<Param value="5258" name="TRIG_NO"/>
<Param value="14570" name="BURST_TJD"/>
<Param value="81215.281" name="BURST_SOD"/>
-
  <Group name="GCN_RAW_DATA">
    <Param value="53" name="INT_0"/>
    <Param value="0" name="INT_1"/>
    <Param value="0" name="INT_2"/>
    <Param value="8135200" name="INT_3"/>
    <Param value="5258" name="INT_4"/>
    <Param value="14570" name="INT_5"/>
    <Param value="8121528" name="INT_6"/>
    <Param value="2722456" name="INT_7"/>
    <Param value="-188727" name="INT_8"/>
    <Param value="830" name="INT_9"/>
    <Param value="0" name="INT_10"/>
    <Param value="195" name="INT_11"/>
    <Param value="0" name="INT_12"/>
    <Param value="100000" name="INT_13"/>
    <Param value="2763523" name="INT_14"/>
    <Param value="-80968" name="INT_15"/>
    <Param value="100000" name="INT_16"/>
    <Param value="0" name="INT_17"/>
    <Param value="0" name="INT_18"/>
    <Param value="2" name="INT_19"/>
    <Param value="0" name="INT_20"/>
    <Param value="0" name="INT_21"/>
    <Param value="0" name="INT_22"/>
    <Param value="0" name="INT_23"/>
    <Param value="0" name="INT_24"/>
    <Param value="0" name="INT_25"/>
    <Param value="0" name="INT_26"/>
    <Param value="0" name="INT_27"/>
    <Param value="0" name="INT_28"/>
    <Param value="0" name="INT_29"/>
    <Param value="0" name="INT_30"/>
    <Param value="0" name="INT_31"/>
    <Param value="0" name="INT_32"/>
    <Param value="0" name="INT_33"/>
    <Param value="0" name="INT_34"/>
    <Param value="0" name="INT_35"/>
    <Param value="0" name="INT_36"/>
    <Param value="0" name="INT_37"/>
    <Param value="0" name="INT_38"/>
    <Param value="10" name="INT_39"/>
  </Group>
</What>
```

ESSENCE Supernova

ivo://voevent.noao.edu/essence#2007-Z-208

```
<What>
  <Group name="photometry">
    <Param ucd="phot.mag;em.opt.R" unit="mag" value="22.84" name="R"/>
    <Param ucd="phot.mag;em.opt.R;stat.error" unit="mag" value="0.08" name="R-err"/>
    <Param ucd="time.epoch" unit="d" value=" 54445.040720" name="MJD"/>
    <Description>Johnson R photometric measurement</Description>
  </Group>
  <Group name="photometry">
    <Param ucd="phot.mag;em.opt.R" unit="mag" value="22.66" name="I"/>
    <Param ucd="phot.mag;em.opt.R;stat.error" unit="mag" value="0.09" name="I-err"/>
    <Param ucd="time.epoch" unit="d" value=" 54445.063140" name="MJD"/>
    <Description>Johnson I photometric measurement</Description>
  </Group>
  <Group name="redshift">
    <Param ucd="src.redshift" unit="-" value="0.5" name="z"/>
    <Description>spectroscopic redshift</Description>
  </Group>
</What>
```

Novae in M31

ivo://nvo.caltech/voeventnet/m31#2004-05a-1

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="m31_2004-05a-1" />
  <Group name="Nova detection params">
    <Param name="magnitude" ucd="phot.mag;em.opt.R " value=" 17.8" unit="mag" />
    <Param name="ID" ucd="meta.id" value="2004-05a-1" />
    <Param name="Galaxy" ucd="meta.id.assoc" value="M31" unit="" />
    <Param name="RA offset" ucd="pos.eq.ra" value="-76" unit="arcsec" />
    <Param name="Dec offset" ucd="pos.eq.dec" value="-352" unit="arcsec" />
    <Param name="Date" ucd="time.epoch" value="20040518" unit="" />
    <Param name="RA" ucd="pos.eq.ra" value="10.6565" unit="deg" />
    <Param name="Dec" ucd="pos.eq.dec" value="41.1712" unit="deg" />
  </Group>
  <Reference uri="http://www.cfa.harvard.edu/iau/CBAT_M31.html#2004-05a" type="url" name="2004-05a-1" />
</What>
```

MOA microlensing

ivo://nvo.caltech/voeventnet/moa#MOA-2001-BLG-10

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="moa_MOA-2001-BLG-10" />
  <Group name="Microlensing detection params">
    <Param name="Base_magnitude" ucd="phot.mag;em.opt.I" value="" unit="mag" />
    <Param name="ID" ucd="meta.id" value="MOA-2001-BLG-10" />
    <Param name="Date_max" ucd="time.epoch" value="" unit="" />
    <Param name="Time_uncert" ucd="time" value="" unit="seconds" />
    <Param name="t_e" ucd="time.scale" value="" unit="days" />
    <Param name="Amplitude" ucd="arith.ratio" value="1.00" unit="" />
    <Param name="RA" ucd="pos.eq.ra" value="270.70667" unit="deg" />
    <Param name="Dec" ucd="pos.eq.dec" value="-29.50697" unit="deg" />
  </Group>
  <Reference uri="http://www.massey.ac.nz/~iabond/alert2000/moa-2001-blg-10.html" type="url" name="MOA-2001-BLG-10" />
</What>
```

Novae in the Milky Way

ivo://nvo.caltech/voeventnet/mway#Aql_V1419

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="mway_Aql_V1419 " />
  <Group name="Nova detection params">
    <Param name="magnitude" ucd="phot.mag;em.opt" value=" 7.6" unit="mag" />
    <Param name="ID" ucd="meta.id" value="Aql_V1419" />
    <Param name="Constelation" ucd="meta.id.assoc" value="Aql" unit="" />
    <Param name="quiescent mag" ucd="phot.mag;em.opt" value="" unit="mag" />
    <Param name="Date" ucd="time.epoch" value="19930513" unit="" />
    <Param name="RA" ucd="pos.eq.ra" value="288.275" unit="deg" />
    <Param name="Dec" ucd="pos.eq.dec" value="1.56667" unit="deg" />
  </Group>
</What>
```

Neutrons from somewhere

ivo://nvo.caltech/voeventnet/neu#19670804_3955.62

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="neu_19670804_015" />
  <Group name="Neutrons detection params">
    <Param name="ID" ucd="meta.id" value="19670804_015" />
    <Param name="Experiment" ucd="instr" value="Climax" />
    <Param name="Type" ucd="instr.det" value="IGY" />
    <Param name="Neutron_rate" ucd="meta.number" value=" 3955.62" unit="counts/hour" />
    <Param name="Approx_Time" ucd="time.epoch" value="1967-08-04T06:00:00" />
  </Group>
  <Reference uri="http://cr0.izmiran.rssi.ru/clmx/main.htm" type="url" name="Climax" />
</What>
```

OGLE Microlensing

ivo://nvo.caltech/voeventnet/ogle#1998-BUL-15

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="ogle_1998-BUL-15" />
  <Group name="Microlensing detection params">
    <Param name="Base_magnitude" ucd="phot.mag;em.opt.l" value="18.641" unit="mag" />
    <Param name="Delta_magnitude" ucd="phot.mag;em.opt.l" value="2.854" unit="mag" />
    <Param name="Event_ID" ucd="meta.id" value="1998-BUL-15" />
    <Param name="Field_ID" ucd="meta.id" value="BUL_SC18" />
    <Param name="Star_ID" ucd="meta.id" value="594723" />
    <Param name="Date_max" ucd="time.epoch" value="1998-05-10T20:38:24" unit="" />
    <Param name="HJD_max" ucd="time.epoch" value="2450944.358" unit="days" />
    <Param name="Time_uncert" ucd="time" value="864" unit="seconds" />
    <Param name="Tau" ucd="time.scale" value="18.150" unit="days" />
    <Param name="Amplitude" ucd="arith.ratio" value="13.861" />
    <Param name="RA" ucd="pos.eq.ra" value="271.83679" unit="deg" />
    <Param name="Dec" ucd="pos.eq.dec" value="-27.56967" unit="deg" />
  </Group>
  <Reference uri="http://www.astrouw.edu.pl/~ogle/ogle2/ews/1998/bul-15.html" type="url" name="1998-BUL-15" />
</What>
```

Solar Flares from RHESSI

ivo://nvo.caltech/voeventnet/rhessi#3102495

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="rhessi_3102495" />
  <Group name="Solar-Flare detection params">
    <Param name="ID" ucd="meta.id" value="3102495" />
    <Param name="Flags" ucd="meta.code" value=" A0 DF NS PE " />
    <Param name="Duration" ucd="time.duration" value="36" unit="sec" />
    <Param name="Peak_time" ucd="time.epoch" value="2003-10-24T20:35:54" />
    <Param name="Start_time" ucd="time.epoch" value="2003-10-24T20:35:36" />
    <Param name="Peak_count" ucd="phot.flux" value="2" unit="counts/sec" />
    <Param name="Total_count" ucd="phot.count" value="308" unit="counts" />
    <Param name="Energy_band" ucd="em.X-ray" value="3-6" unit="keV" />
    <Param name="AR" ucd="meta.code" value="0" />
    <Param name="X" ucd="pos.heliocentric" value="0" unit="arcsec" />
    <Param name="Y" ucd="pos.heliocentric" value="0" unit="arcsec" />
    <Param name="R" ucd="pos.angDistance" value="0" unit="arcsec" />
  </Group>
  <Reference uri="http://hesperia.gsfc.nasa.gov/hessidata/dbase/hessi_flare_list.txt" type="url"
name="3102495" />
</What>
```

Historical Supernovae

ivo://nvo.caltech/voeventnet/sn#1885A

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="sn_1885A" />
  <Group name="SN detection params">
    <Param name="magnitude" ucd="phot.mag;em.opt.V" value=" 5.8" unit="mag" />
    <Param name="ID" ucd="meta.id" value="1885A" />
    <Param name="Galaxy" ucd="meta.id.assoc" value="NGC 224 " unit="" />
    <Param name="SN Type" ucd="meta.code.class" value=" " unit="" />
    <Param name="Date" ucd="time.epoch" value="1885-08-17" unit="" />
    <Param name="RA" ucd="pos.eq.ra" value="10.675000" unit="deg" />
    <Param name="Dec" ucd="pos.eq.dec" value="41.266666" unit="deg" />
  </Group>
  <Reference uri="http://www.cfa.harvard.edu/iau/lists/Supernovae.html" type="url" name="1885A" />
</What>
```

Sunspots

ivo://nvo.caltech/voeventnet/spot#18800325_4

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="spot_18800325_4" />
  <Group name="Sunspots detection params">
    <Param name="ID" ucd="meta.id" value="18800325_4" />
    <Param name="Spots" ucd="meta.number" value="4" unit="counts" />
    <Param name="Approx_Time" ucd="time.epoch" value="1880-03-25" />
  </Group>
  <Reference uri="ftp://ftp.ngdc.noaa.gov/STP/SOLAR_DATA/SUNSPOT_NUMBERS/1880" type="url"
name="18800325_4" />
</What>
```

TeV gammas

ivo://nvo.caltech/voeventnet/tev#92

```
<What>
  <Param name="VOEventID" ucd="meta.id" value="tev_92" />
  <Group name="TeV gamma ray event detection params">
    <Param name="ID" ucd="meta.id" value="92" />
    <Param name="Type" ucd="meta.code.class" value="X-ray Binary" />
    <Param name="Date" ucd="time.epoch" value="1998-08-01" />
    <Param name="Association" ucd="meta.id.parent" value=" Centaurus X3 " />
    <Param name="Time_uncert" ucd="time" value="43200" unit="seconds" />
    <Param name="Distance" ucd="pos.distance" value="38966" unit="kpc" />
    <Param name="Position_err" ucd="pos.errorEllipse" value="15.033" unit="arcsec" />
    <Param name="RA" ucd="pos.eq.ra" value="170.31250" unit="deg" />
    <Param name="Dec" ucd="pos.eq.dec" value="-60.62333" unit="deg" />
  </Group>
  <Reference uri="http://tevcac.uchicago.edu/?mode=1;id=92" type="url" name="92" />
</What>
```

SWIFT gamma detection

ivo://nvo.caltech/voeventnet#gcn.gsfc/SWIFT_FOM_Observe_2008-05-09T16:42:21_20068-2

```
<What>
<Param value="65" name="PACKET_TYPE"/>
<Param value="4" name="PKT_SERNUM"/>
<Param value="20068" name="TrigID"/>
<Param value="2" name="TrigSegNumID"/>
<Param unit="days" value="14593" name="BURST_TJD"/>
<Param unit="sec" value="27900.00" name="BURST_SOD"/>
<Param unit="sec" value="0.000" name="Int_Time"/>
<Param value="0" name="Trig_Index"/>
<Param unit="sigma" value="0.00" name="Rate_Signif"/>
<Param value="0x3" name="SlewFlags"/>
<Param value="98.00" name="Merit"/>
</What>
```

Palomar-Quest Asteroid

ivo://nvo.caltech/voeventnet/pq#8021901133210090057

```
<What>
  <Group name="Asteroid params">
    <Param unit="deg" value="267.076908" ucd="pos.posAng" name="Opposition angle"/>
    <Param unit="arcsec/min" value="0.855311" ucd="pos.pm" name="Inner motion"/>
    <Param unit="arcsec/min" value="0.444401" ucd="pos.pm" name="Outer motion"/>
    <Param unit="deg" value="56.916749" ucd="pos.ecliptic.lon" name="Ecliptic Longitude"/>
    <Param unit="deg" value="-22.736303" ucd="pos.ecliptic.lat" name="Ecliptic Latitude"/>
    <Param unit="arcsec" value="0.427928" ucd="pos.pm" name="Apparent motion"/>
    <Param unit="min" value="4.034880" ucd="time.interval" name="Timespan"/>
    <Param unit="deg" value="73.701523" ucd="pos.posAng" name="Ecliptic Inclination"/>
    <Param unit="arcsec/min" value="0.075267" ucd="stat.error.sys" name="Motion uncertainty RA"/>
    <Param unit="arcsec/min" value="0.079446" ucd="stat.error.sys" name="Motion uncertainty Dec"/>
  </Group>
  <Group name="First Detection params">
    <Param unit="mag" value="15.406700" ucd="phot.mag;em.opt.gi" name="magnitude"/>
    <Param unit="mag" value="0.057800" ucd="phot.mag;stat.error" name="mag_error"/>
    <Param value="8021901133210090057" ucd="meta.id" name="ID"/>
    <Param unit="pixels" value="5.120" ucd="instr.det.psf" name="average seeing"/>
    <Param unit="cts" value="7017.974" ucd="instr.background" name="average background"/>
    <Param unit="days" value="2454515.633608" ucd="time.epoch" name="JD"/>
    <Param unit="deg" value="59.7333393" ucd="pos.eq.ra" name="RA"/>
    <Param unit="deg" value="-2.7603031" ucd="pos.eq.dec" name="Dec"/>
  </Group>
```

```

    <Group name="Second Detection params">
    <Param unit="mag" value="15.352800" ucd="phot.mag;em.opt.gz" name="magnitude2"/>
    <Param unit="mag" value="0.049000" ucd="phot.mag;stat.error" name="mag_error2"/>
    <Param value="8021901123210070045" ucd="meta.id" name="ID2"/>
    <Param unit="pixels" value="4.830" ucd="instr.det.ps" name="average seeing2"/>
    <Param unit="cts" value="3161.297" ucd="instr.background" name="average background2"/>
    <Param unit="days" value="2454515.630806" ucd="time.epoch" name="JD2"/>
    <Param unit="deg" value="59.7333595" ucd="pos.eq.ra" name="RA2"/>
    <Param unit="deg" value="-2.7598239" ucd="pos.eq.dec" name="Dec2"/>
    </Group>
    <Reference name="8021901133210090057" type="url"
    uri="http://nesssi.cacr.caltech.edu/public/20080219/8021901133210090057.html"/>
    </What>

```

BATSE Solar Flare detection

ivo://mssl.ucl.ac.uk/BATSE#BATSE680

```

<What xmlns="">
  <Param name="peak" value="5633" unit="ct/s" ucd="arith.rate;phot.count"/>
  <Reference uri="ftp://umbra.nascom.nasa.gov/pub/batse/batseplots/batse_680.ps"/>
  <Description>This is the light curve associated with the observation.</Description>
</What>

```

LASCO Solar Something

ivo://mssl.ucl.ac.uk/LASCO#LASCO20051206T232405_81

```

<What xmlns="">
  <Param name="Central Position Angle" value="81" unit="deg" ucd="pos.posAng"/>
  <Param name="Angular Width" value="25" unit="deg" ucd="phys.angSize"/>
  <Param name="Linear Speed" value="310" unit="km/s" ucd="phys.veloc"/>
  <Param name="Acceleration" value="-14.2*1" unit="m/s2" ucd="phys.acceleration"/>
  <Param name="Mass" value="----" unit="g" ucd="phys.mass"/>
  <Param name="Kinetic Energy" value="----" unit="erg" ucd="phys.energy"/>
  <Param name="Measurement Position Angle" value="83" unit="deg" ucd="pos.posAng"/>
  <Description>Only C2</Description>
  <Reference uri="http://lasco-www.nrl.navy.mil/daily_mpg/2005_12/051206_c2.mpg" name="C2 movie"/>
  <Reference uri="http://lasco-www.nrl.navy.mil/daily_mpg/2005_12/051206_c3.mpg" name="C3 movie"/>
  <Reference uri="" name="SXT movie"/>
  <Reference uri="http://cdaw.gsfc.nasa.gov/CME_list/daily_plots/sephtx/2005_12/sephtx.20051206.png"
  name="PHTX movie"/>
  <Reference uri="http://cdaw.gsfc.nasa.gov/CME_list/daily_movies/2005/12/06" name="Java movie"/>
  <Reference
  uri="http://cdaw.gsfc.nasa.gov/CME_list/UNIVERSAL/2005_12/jsmovies/2005_12/20051206.232405.p083s/
  c2_rdif.html" name="C2 movie / GOES light curve"/>
  <Reference
  uri="http://cdaw.gsfc.nasa.gov/CME_list/UNIVERSAL/2005_12/yht/20051206.232405.w025n.v0310.p083s.y
  ht" name="Filter data"/>
  <Reference
  uri="http://cdaw.gsfc.nasa.gov/CME_list/UNIVERSAL/2005_12/htpng/20051206.232405.p083s.htp.html"
  name="1st and 2nd order linear speed fits"/>
</What>

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NOAA GOES Observation

ivo://mssl.ucl.ac.uk/NOAA#GOESxray_20051231_1053

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<What xmlns="">
  <Param name="Correlated Optical Flare Latitude" value="N12" unit="deg" ucd="pos.bodyrc.lat"/>
  <Param name="Correlated Optical Flare Meridien" value="E05" unit="deg" ucd="pos.bodyrc.long"/>
  <Param name="X-Ray class" value="B" ucd="em.X-ray"/>
  <Param name="X-Ray intensity" value="4.9"/>
  <Param name="X-Ray integrated flux" value="1.9E-04" unit="J/m2" ucd="phot.flux"/>
  <Param name="Active Region" value="10843"/>

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</What>

Catalina Sky Survey OT

ivo://ivo.caltech/voeventnet/catot#805061180724122267

<What>

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<Group name="Asteroid params">
<Param unit="deg" value="333.497614" ucd="pos.posAng" name="Opposition angle"/>
<Param unit="arcsec/min" value="-0.470425" ucd="pos.pm" name="Inner motion"/>
<Param unit="arcsec/min" value="-0.363128" ucd="pos.pm" name="Outer motion"/>
<Param unit="deg" value="199.337984" ucd="pos.ecliptic.lon" name="Ecliptic Longitude"/>
<Param unit="deg" value="28.185464" ucd="pos.ecliptic.lat" name="Ecliptic Latitude"/>
<Param unit="arcsec" value="-0.045892" ucd="pos.pm" name="Apparent motion"/>
<Param unit="min" value="35.035200" ucd="time.interval" name="Timespan"/>
<Param unit="deg" value="138.610785" ucd="pos.posAng" name="Ecliptic Inclination"/>
<Param unit="arcsec/min" value="0.025226" ucd="stat.error.sys" name="Motion uncertainty RA"/>
<Param unit="arcsec/min" value="0.025226" ucd="stat.error.sys" name="Motion uncertainty Dec"/>
</Group>

<Group name="First Detection params">
<Param unit="mag" value="20.135599" ucd="phot.mag;em.opt.R4" name="magnitude"/>
<Param unit="mag" value="0.058164" ucd="phot.mag;stat.error" name="mag_error"/>
<Param value="805061180724122267" ucd="meta.id" name="ID"/>
<Param unit="pixels" value="2.540" ucd="instr.det.psf" name="average seeing"/>
<Param unit="cts" value="" ucd="instr.background" name="average background"/>
<Param unit="days" value="2454592.778620" ucd="time.epoch" name="JD"/>
<Param unit="deg" value="208.7817100" ucd="pos.eq.ra" name="RA"/>
<Param unit="deg" value="18.3911800" ucd="pos.eq.dec" name="Dec"/>
</Group>

<Group name="Second Detection params">
<Param unit="mag" value="0" ucd="phot.mag;em.opt" name="magnitude2"/>
<Param unit="mag" value="0" ucd="phot.mag;stat.error" name="mag_error2"/>
<Param value="0" ucd="meta.id" name="ID2"/>
<Param unit="pixels" value="0" ucd="instr.det.psf" name="average seeing2"/>
<Param unit="cts" value="" ucd="instr.background" name="average background2"/>
<Param unit="days" value="2454592.788360" ucd="time.epoch" name="JD2"/>
<Param unit="deg" value="0" ucd="pos.eq.ra" name="RA2"/>
<Param unit="deg" value="0" ucd="pos.eq.dec" name="Dec2"/>
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<Group name="Third Detection params">
<Param unit="mag" value="17.616600" ucd="phot.mag;em.opt.R2" name="magnitude3"/>
<Param unit="mag" value="0.018259" ucd="phot.mag;stat.error" name="mag_error3"/>
<Param value="805061180722122406" ucd="meta.id" name="ID3"/>
<Param unit="pixels" value="2.640" ucd="instr.det.psf" name="average seeing3"/>
<Param unit="cts" value="" ucd="instr.background" name="average background3"/>
<Param unit="days" value="2454592.798090" ucd="time.epoch" name="JD3"/>
<Param unit="deg" value="208.7816500" ucd="pos.eq.ra" name="RA3"/>
<Param unit="deg" value="18.3913800" ucd="pos.eq.dec" name="Dec3"/>
</Group>

<Group name="Fourth Detection params">
<Param unit="mag" value="17.579599" ucd="phot.mag;em.opt.R3" name="magnitude4"/>
<Param unit="mag" value="0.018148" ucd="phot.mag;stat.error" name="mag_error4"/>
<Param value="805061180723122602" ucd="meta.id" name="ID4"/>
<Param unit="pixels" value="2.560" ucd="instr.det.psf" name="average seeing4"/>
<Param unit="cts" value="" ucd="instr.background" name="average background4"/>
<Param unit="days" value="2454592.807810" ucd="time.epoch" name="JD4"/>
<Param unit="deg" value="208.7813300" ucd="pos.eq.ra" name="RA4"/>
<Param unit="deg" value="18.3918800" ucd="pos.eq.dec" name="Dec4"/>
</Group>

<Reference name="805061180724122267" type="url"
uri="http://nesssi.cacr.caltech.edu/catalina/20080506/805061180724122267.html"/>
</What>
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