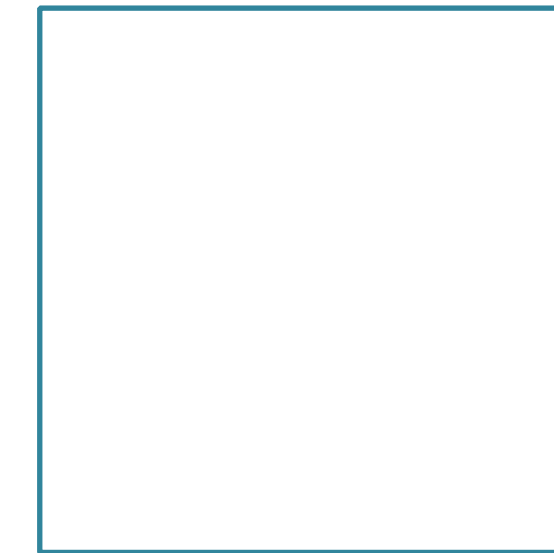


# Unified Content Descriptor (UCD) Status



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# □ from UCD 1.5 to UCD 1.6

- Proposals have been collected and discussed in the Semantics working group and listed on the UCD request for modification page : [UCDList 1-6 RFM](#)
- Main topics various requests and proposals
  - From [UCDList 1-5 RFM](#): coverage, oscillation/pulsation, phys.pulseheight, phys.adu, etc...
  - From A. Micol, ESO archive, describing the *ambient parameters* at the telescope (for instance ESO VLT telescope).
  - From Pierre Chanial , APC Paris, *gravitational waves features* for LIGO/Virgo data sets
  - From J. Berthier, IMCCE, *measurements* for Solar System Objects
- Each term is then described in its context and in a [VEP-UCD](#) document available at [VEP-UCD Gitlab](#) which holds all the terms discussed in the Request For Modification process.
- Discussed in the Semantics group and UCD Board.



# □ UCDFList 1.6 proposals

Proposed	VEP-UCD	validated	UCD board votes
time.period.oscillation	<u>VEP-UCD-004.txt</u>	time.period.pulsation	5
pos.moc	<u>VEP-UCD-003.txt</u>	meta.coverage	5
stat.confidence.level	<u>VEP-UCD-011.txt</u>	stat.confidenceLevel	5
stat.falsePositive	<u>VEP-UCD-013.txt</u>	stat.falsePositive	5
stat.falseNegative	<u>VEP-UCD-013.txt</u>	stat.falseNegative	5
phys.inspiralSpin	<u>VEP-UCD-012.txt</u>	phys.inspiralSpin	5
phys.adu	<u>VEP-UCD-014.txt</u>	phys.voltage	5
phys.pulseheight	<u>VEP-UCD-015.txt</u>	phys.voltage	5?
stat.histogram	<u>VEP-UCD-005.txt</u>	to be discussed again	

- *7 UCD ( in blue)* are ready for inclusion



# □ Solar System Objects proposals

- Request for changes and additions by Jerome Berthier et al. at IMCCE (2023)
- see list at [ucd\\_RFM\\_SolarSystem\\_JB](#)
- Check proposal and discussion at : [VEP-UCD-016.txt](#)
- 10 terms *phys.obliquity*, *phys.thermalInertia*, *src.orbital.\**, *pos.barycenter*, *pos.heliocentric*, ...
  
- need for clarification in the definitions → simplify UCD tree
- use cases examples
- revision in progress



# □ Ambient parameters

- List of metadata to be tagged by new UCDs by A. Micol [AmbientParametersAtTelescopeSite](#)

- A new subtree under branch : **obs.atmos**

*obs*

— <i>.airMass</i>	<i>Q</i> <i>Airmass</i>	Existing terms
— <i>.atmos</i>	<i>S</i> <i>Atmosphere, atmospheric phenomena affecting an observation</i>	
— <i>.extinction</i>	<i>Q</i> <i>Atmospheric extinction</i>	
— <i>.refractAngle</i>	<i>Q</i> <i>Atmospheric refraction angle</i>	
— <b>+<i>.humidity</i></b>	<i>Q</i> Related to the amount of air humidity at observing site during an observation	New terms
— <b>+<i>.rain</i></b>	<i>Q</i> Related to the amount of rain at observing site during an observation	
— <b>+<i>.turbulence</i></b>	<i>S</i> Related to the atmospheric turbulence during an observation at observing site	
— <b>+<i>.isoplanatic</i></b>	<i>P</i> Isoplanatic angle characterizing turbulence during an observation at observing site ??? could simply be instead: <i>pos.angDistance;obs.atmos.turbulence</i>	
— <b>+<i>.water</i></b>	<i>Q</i> Related to the amount of atmospheric water at observing site during an observation	
— <b>+<i>.wind</i></b>	<i>Q</i> Related to the amount of wind at observing site during an observation	



# □ Ambient parameters in VEP

- New VEPs uploaded on [VEP-UCD repository](#)
  - VEP-UCD-017\_obs\_atmos\_rain.txt
  - VEP-UCD-018\_obs\_atmos\_turbulence.txt
  - VEP-UCD-019\_obs\_atmos\_water.txt
  - VEP-UCD-020\_obs\_atmos\_wind.txt
  - VEP-UCD-021\_obs\_atmos\_humidity.txt
  - VEP-UCD-022\_phys.temp.dew.txt
- Discussion and validation on going with A. Micol at ESO.



# □ UCD update feedback

- Validation of proposals received from the UCD Scientific Board beginning of May  
5 feedbacks from 10 members :
  - how can we get more interest from the various disciplines?
  - target some specialists in one particular theme? e.g. gravitational waves, radio, solar physics, etc.
- Tools for UCDs
  - testing tool : CDS [UCD Builder](#)
  - assigning tool: under development at CDS : in progress  
<https://cds.unistra.fr/ucd-finder/>





**Thanks for your attention**

**Comments ? Questions ?**

