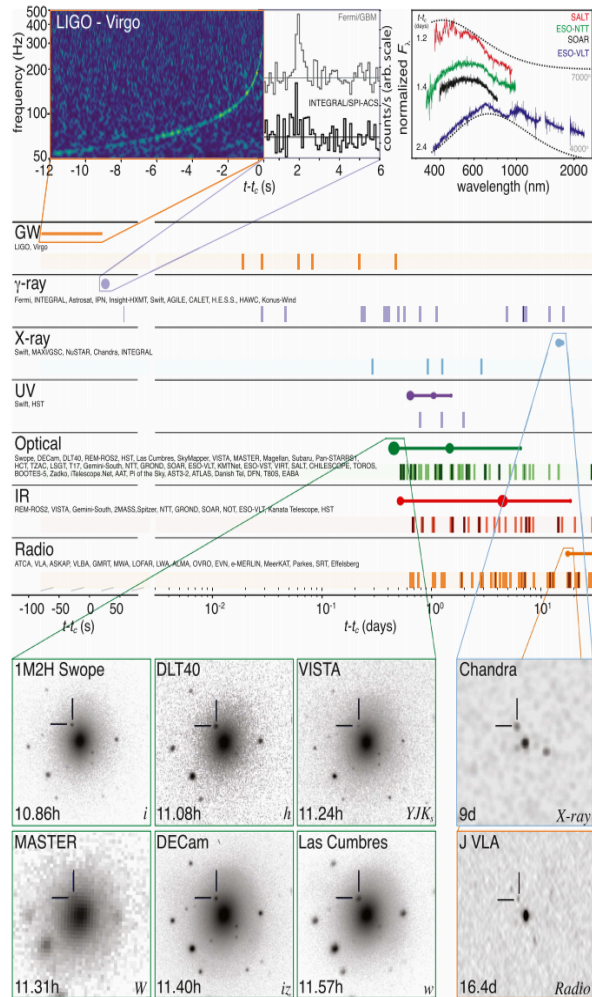


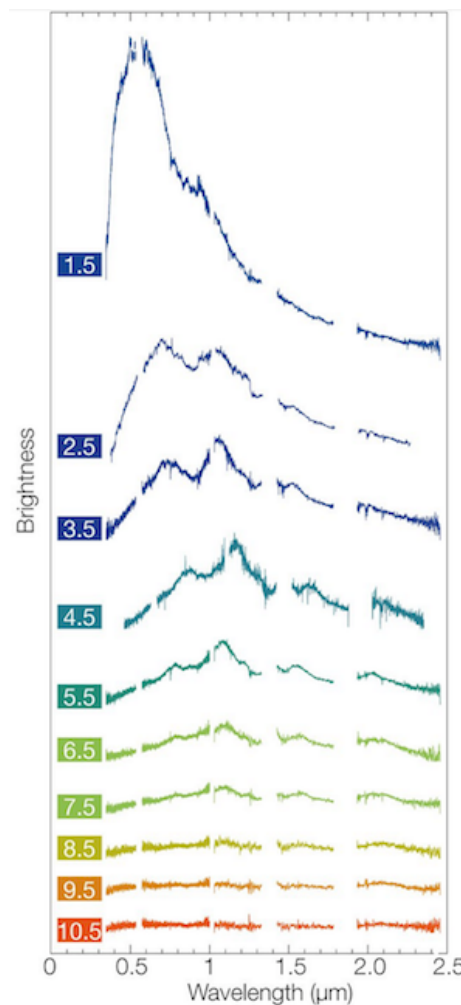
Time Domain Interest Group

- **Chair & vice-chair:** Ada Nebot & Dave Morris
- **Theme of the week:** TD & Multi-messenger astronomy common needs

THE ASTROPHYSICAL JOURNAL LETTERS, 848:L12 (59pp), 2017 October 20



Abbott et al.



- Multi-wavelength / messenger approach is needed
- Follow-up observations and reaction time for that can be crucial
- Visualisation & navigation through the data
- Coordination & transmission of information

□ Topics

1. **Search by time:**
 - **Cone search** — extend to temporal search
2. Get the **photometric history of a source**
 - Annotation of light curves in VOTable
3. Planning of observations:
 - **ObjVisSAP** WD visibility of object to plan observations
 - **ObsLocTAP** WD to facilitate coordination of observations
4. Transmission of alerts:
 - **VOEvents** REC
 - **VOEvent Transport protocol** REC

□ Program: 4 sessions

<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2020TDIG>

Schedule Summary							
Topic	Group	DateTime UTC	UTC-07:00	UTC-04:00	UTC+02:00	UTC+08:00	UTC+10:00
			<i>Victoria BC</i>	<i>_Washington DC</i>	<i>Strasbourg</i>	<i>Perth/Beijing</i>	<i>Sydney</i>
LightCurves	TDIG/APPS	May 5 15:00 UTC	08:00 PDT	11:00 EDT	17:00 CEST	23:00 CST	01:00+1 AEST
VOEvents	TDIG	May 6 06:00 UTC	23:00 PDT	02:00 EDT	08:00 CEST	14:00 CST	16:00 AEST
ConeSearch	DAL/TDIG	May 7 13:30 UTC	06:30 PDT	09:30 EDT	15:30 CEST	21:30 CST	23:30 AEST
ObjVisSAP & ObsLocTAP	DAL/TDIG	May 8 04:30 UTC	21:30-1 PDT	00:30 EDT	06:30 CEST	12:30 CST	14:30 AEST

Sessions organised as follow:

1. Presentation
2. Discussion
3. Actions