

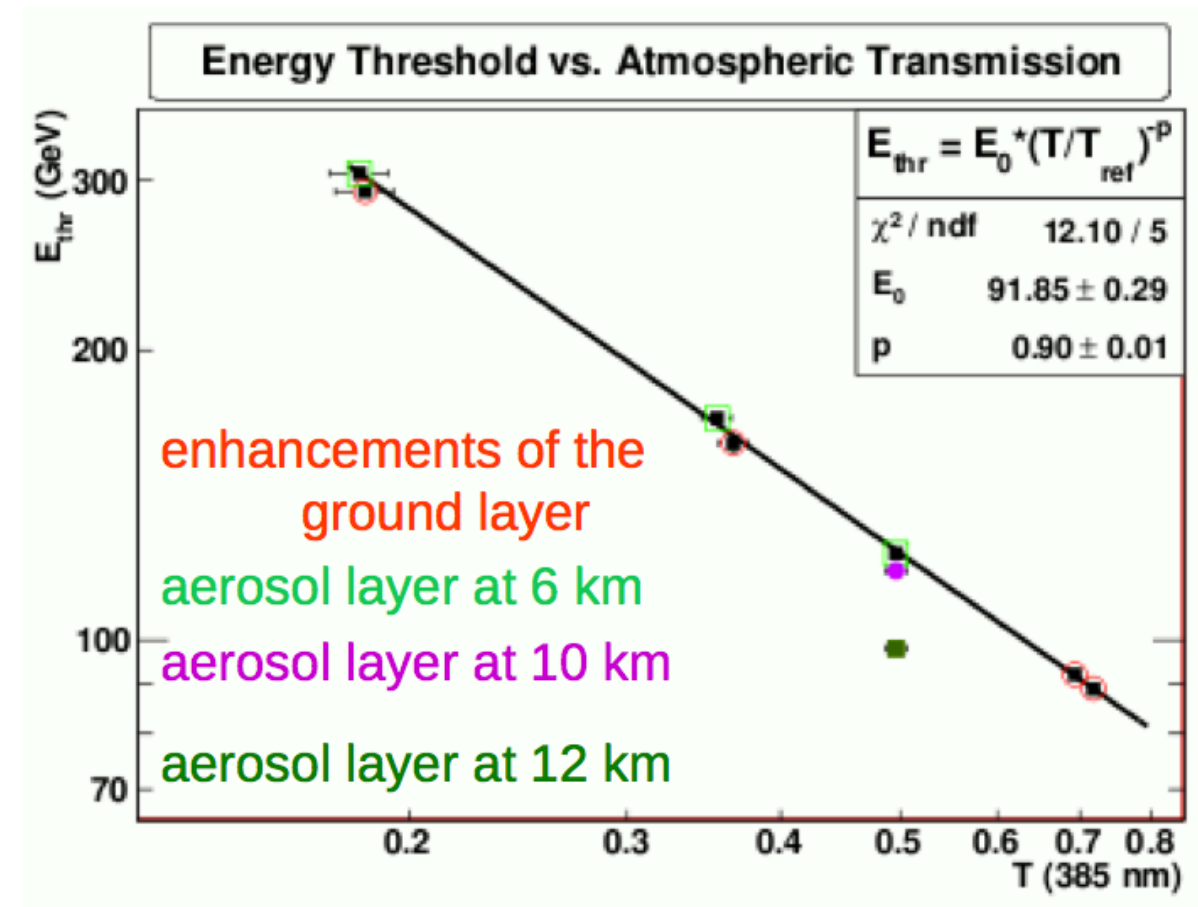
Towards and Online Adaptive Scheduler

(or: how to best assist Pep)

Towards an online adaptive scheduler

The data from All-Sky-Camera and Ceilometer need to be converted into maps that the Central Scheduler can use:

- actual and foreseen energy thresholds,

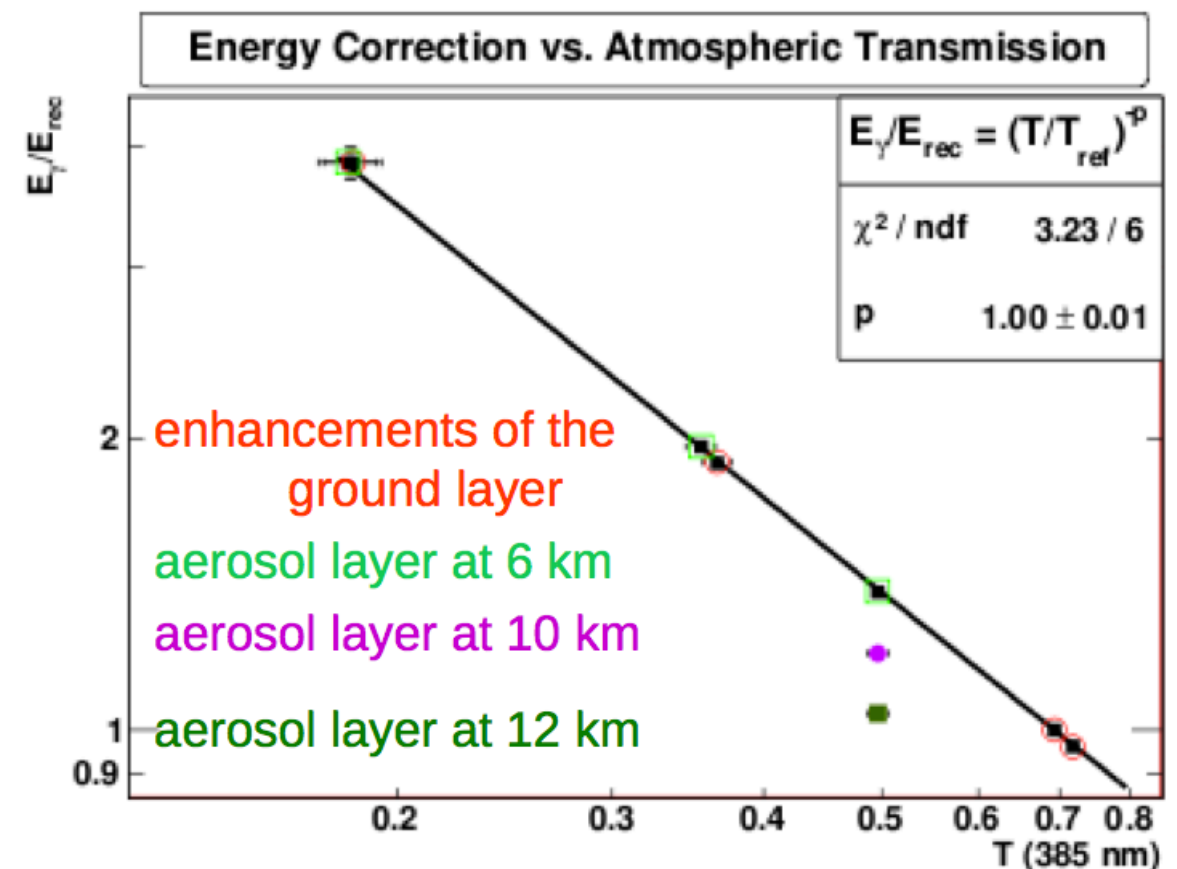


...for MAGIC!!

Towards an online adaptive scheduler

The data from All-Sky-Camera and Ceilometer need to be converted into maps that the Central Scheduler can use:

- actual and foreseen energy thresholds,
- energy resolution,

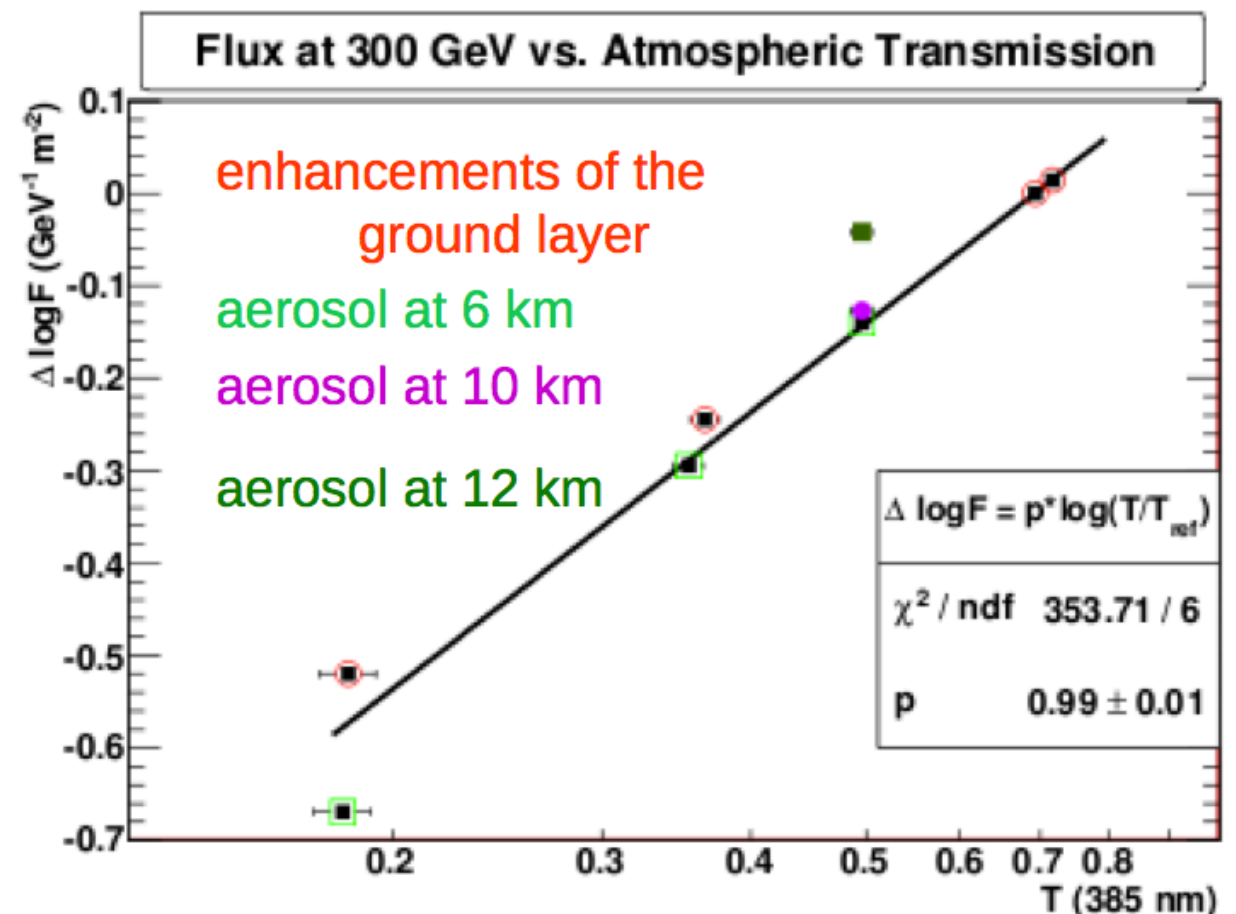


...for MAGIC!!

Towards an online adaptive scheduler

The data from All-Sky-Camera and Ceilometer need to be converted into maps that the Central Scheduler can use:

- actual and foreseen energy thresholds,
- energy resolution,
- sensitivity degradation.



...for MAGIC!!

Towards an online adaptive scheduler



The data from All-Sky-Camera and Ceilometer need to be converted into maps that the Central Scheduler can use:

- actual and foreseen energy thresholds,
 - energy resolution,
 - sensitivity degradation.
 - pointing degradation
- } to be determined with MC simulations

Simulations for CTA are now performed by INFN Torino, INFN Padova and UAB

Towards an online adaptive scheduler

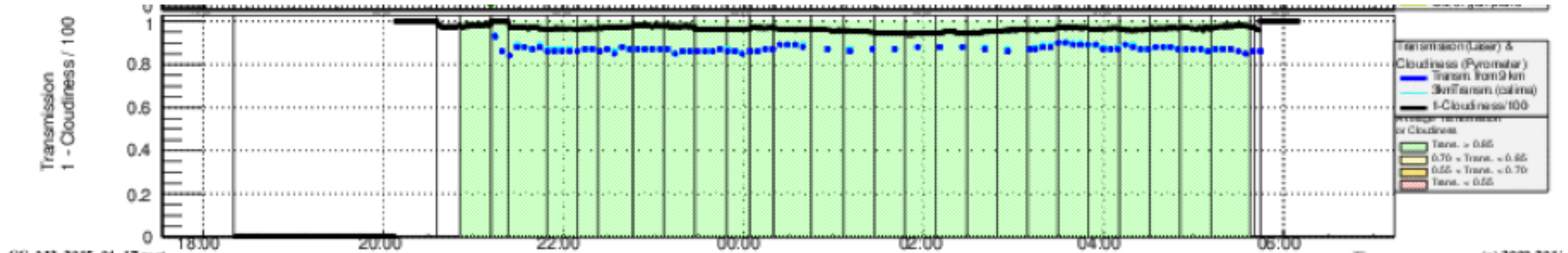
The data from All-Sky-Camera and Ceilometer need to be converted into maps that the Central Scheduler can use:

Simulations for CTA are now performed by INFN Torino, INFN Padova and UAB

but need input from the site characterization campaigns:

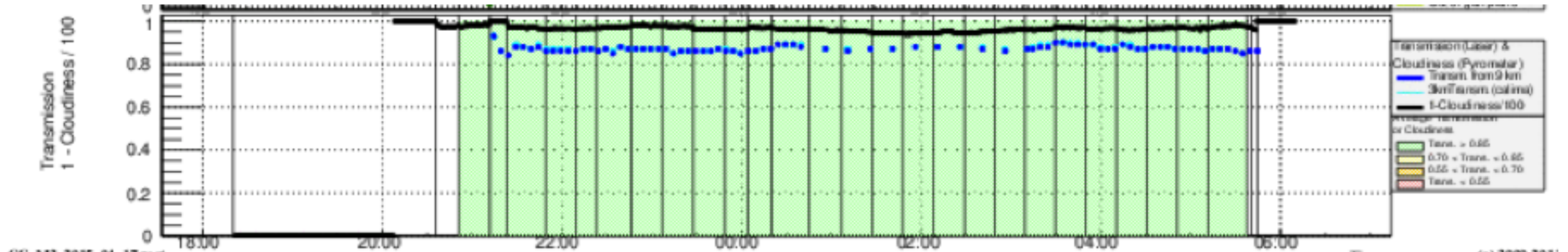
- Probabilities for cloud coverage
(as a function of sky coverage **and** optical depth)
- Probabilities for cloud heights
- Distribution of AODs as a function of emission altitude

Towards an online adaptive scheduler

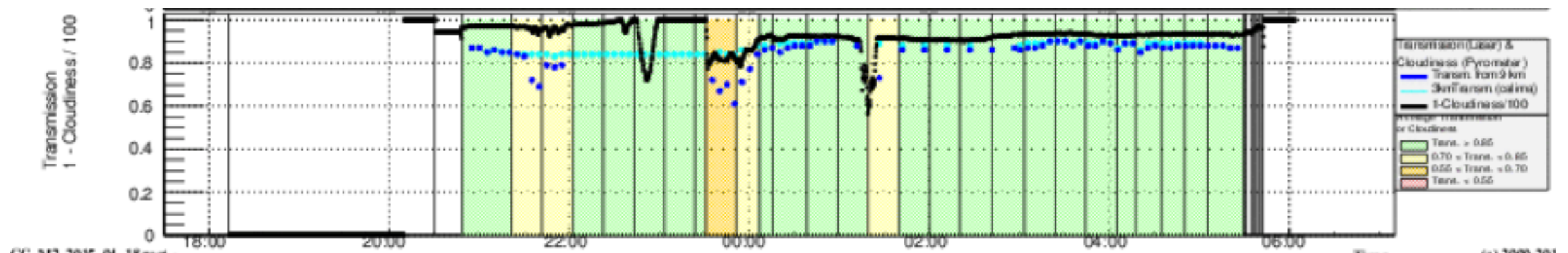


good night, nothing to be done

Towards an online adaptive scheduler

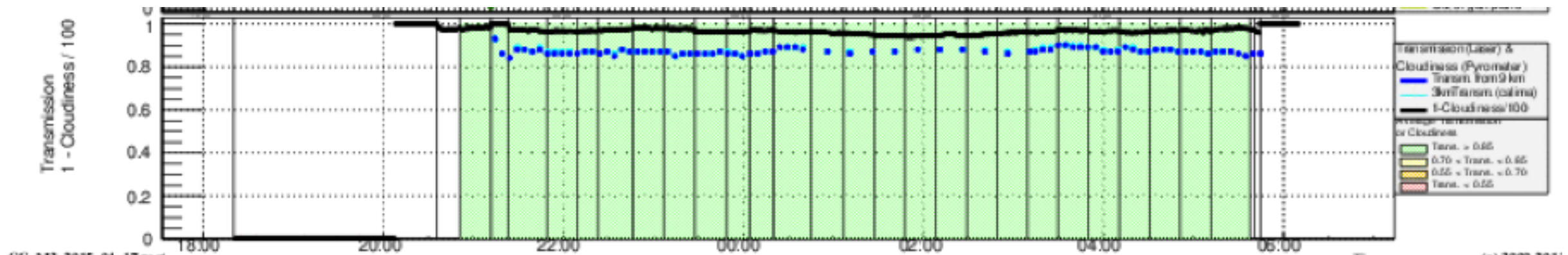


good night, nothing to be done

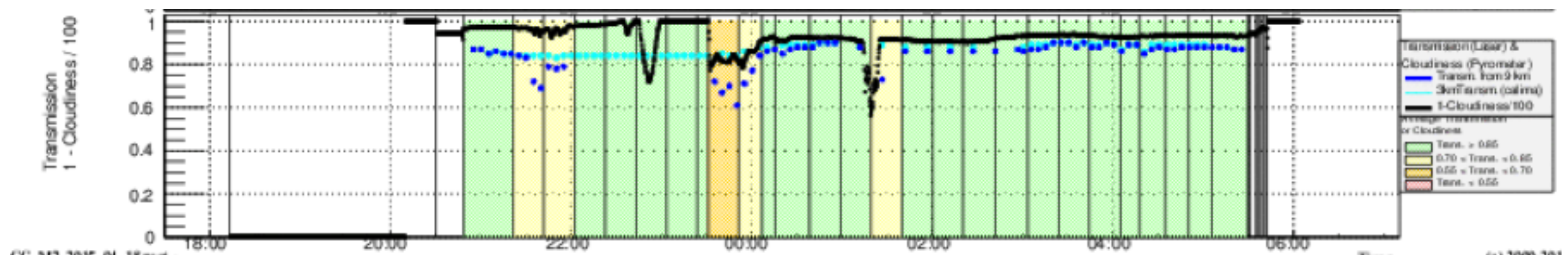


good night with interruptions, adaptive scheduling could have helped

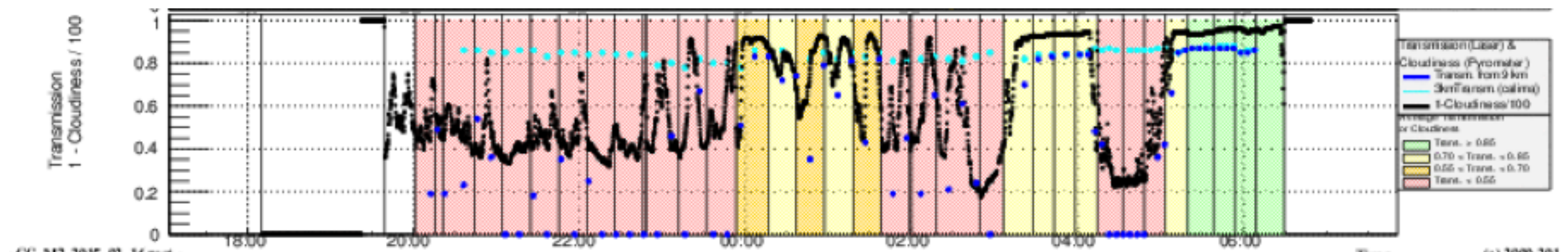
Towards an online adaptive scheduler



good night, nothing to be done

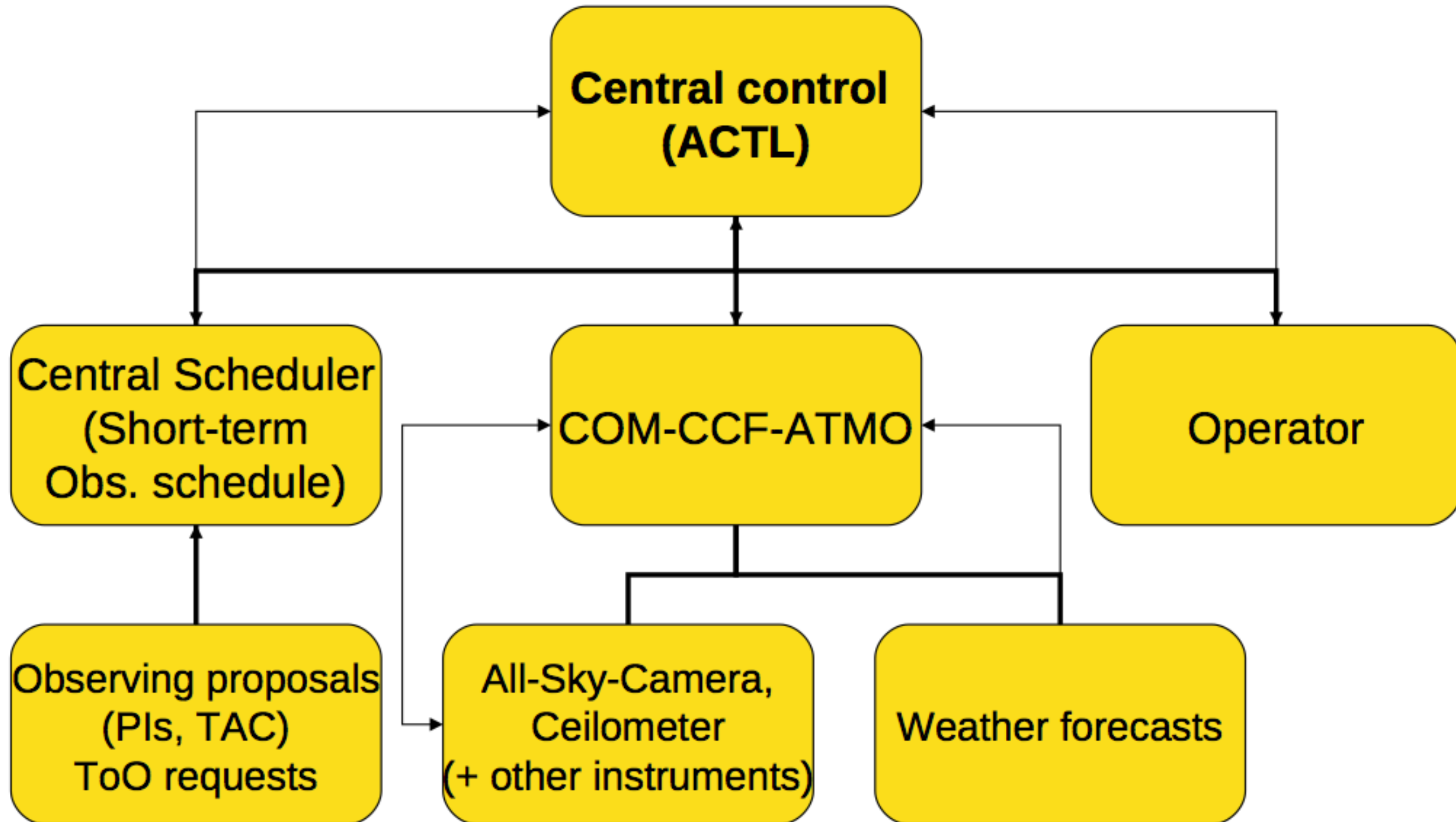


good night with interruptions, adaptive scheduling could have helped



critical night, don't waste observation time on sensitive sources!

Information flow



Online adaptive scheduling WBS

