



25.03.2020 – 24.09.2023



Key Metrics

Visits and time spent

- 4'369 visits
- 3'139, 278, 30, 873 visits
GTO, GO, DT, M&C
- 1'810'894 min CHEOPS time
- 18'108 orbits
≅ 725 Mkm ≅ 880 Earth-Moon

Time allocation

- 93.5% science
- 3.7% M&C
- 1.3% down time
- 0.9% idle
- 0.6 % slew
- on-source: 67%

Time ratio

- 80.1%, 11.9%, 1.5%

Data

- HK 16'439 MB
- SCI TM 94'889 MB

Operations

- 150g fuel spent
- 5'663 ground passes
- 46'835min (32d) total pass duration
- 381'130 telecommands sent
- 502'531 events received

720	Alarm	55'532	Error
192'672	Warn	253'607	Norm

- 97'084'540 HK packets received

26'661'399	RT	70'423'141	Offline
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Science

Science Activity

- 730 unique targets
(464, 86, 7, 176)
- Science images:
1'470'870 SubArray
3'567 FullArray
4'268'769 Imagettes
- 3998 science ORs, 788 M&C
- 237 programs (66, 71, 8, 92)
- programs completed
99, 50, 25%: 49, 84, 97
- 28 CST meetings
- 94 CHOCO meetings
- 166 PSO meetings
- ~130 scientists working on GTO

Science Output

- 7 press releases
- 68 (49, 8, 11) Papers
(GTO, GO, other)
- 34 GTO papers in rev/rep

Data

- 2 full re-processings
- Data in archive: 2.7 TB

reproc01	417 GB
reproc02	1116 GB
current	1218 GB
Total	2751 GB

M&C

Visits

- 873 M&C visits
- 250 dark M&C visits
- ~ 400 reference files provided

Dark images

- 177 SubArray
- 4'474 FullArray

Hot pixels

- Beginning during IOC:
2'837 (lab: 7)
- End of nominal mission:
108'287

Other ...

Space debris

- 10 CAM warnings
- 2 CAMs executed
- Shortest CAM warning: 7 h
- ~ 4000 satellite trails

Major issues

- 5 instrument resets
- 2 SC science interruptions
- 0 SC safe modes

Operations, updates

- 184 Operations Team meetings
- 150 change requests
- 1 SEM software update, 1 patch
- 1 OBC patch
- 2 IFSW patches

Staffing

~ 14 FTE operating CHEOPS

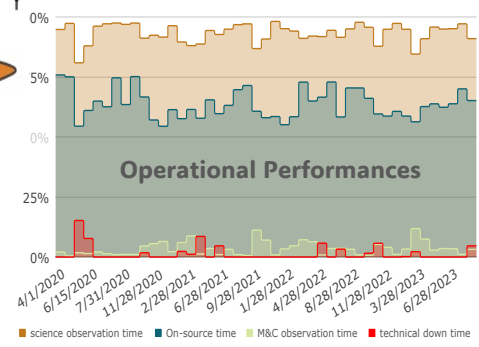
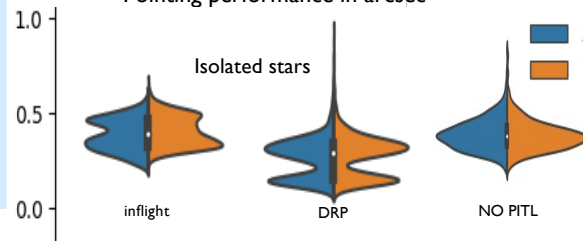
Guaranteed Time Observations
Monitoring & Characterization
Onboard Computer SC
Observation Request
Payload In The Loop
Project Science Office
Spacecraft
Science
Sensor-Electronics Module
Telemetry

GTO
M&C
OBC
OR
PITL
PSO
SC
SCI
SEM
TM

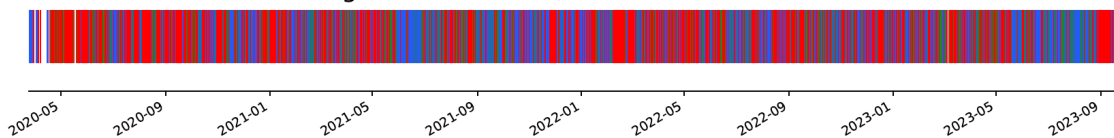
Collision Avoidance Maneuver
GTO coordination meeting
CHEOPS Science Team
Data Reduction Pipeline
Discretionary Time
Instrument Flight Software
In-Orbit Commissioning
House Keeping (packet)
Full Time Equivalent
Guest Observer

CAM
CHOCO
CST
DRP
DT
IFSW
IOC
HK
FTE
GO

Pointing performance in arcsec



Filling factor : 93.5 % , on-source : 67.0 %



Prio-1
48.3 %
Prio-2
33.3 %
Prio-3
18.4 %