

# **Constellation Development Updates**

- Improved logging in Python (MR!872)
- CDTP2 almost ready for merging (MR!659, MR!760)
  - Few test cases still missing
  - Some functions might be renamed, but implementation is final
- Template repositories for satellites now available on <u>GitHub</u>
- Documentation updates for creating new satellites

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# **Constellation Development Updates**

#### Before:

```
stephan@slthinkpad:~/Projects/constellation

Q = x

2025-09-01 16:02:07 slthinkpad
LINK[9605] 1800 Setting up heartbeater on port 34233

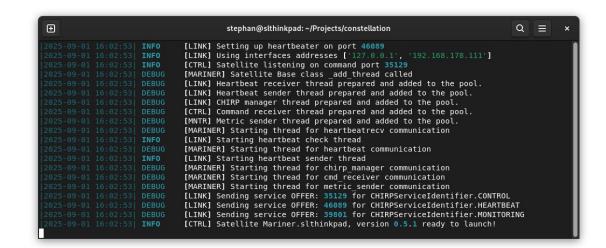
2025-09-01 16:02:07 slthinkpad
LINK[9605] 1800 Setting up heartbeater on port 34233

2025-09-01 16:02:07 slthinkpad
LINK[9605] 1800 Using interfaces addresses ['127.0.0.1', '192.168.178.111']

2025-09-01 16:02:07 slthinkpad
CTRL[9605] 1800 Satellite listening on command port 39199

2025-09-01 16:02:07 slthinkpad
LINK[9605] 1800 Satellite Base class _add_thread called
2025-09-01 16:02:07 slthinkpad
LINK[9605] 1800 Satellite Base class _add_thread called
2025-09-01 16:02:07 slthinkpad
LINK[9605] 1800 Setting thread prepared and added to the pool.
2025-09-01 16:02:07 slthinkpad
LINK[9605] 1800 CHIRP manager thread prepared and added to the pool.
2025-09-01 16:02:07 slthinkpad
2025-09-01 16:02:07 slthinkpad MARINER[9605] 1800 Starting thread for heartbeatreev communication
2025-09-01 16:02:07 slthinkpad
2025-09-01 16
```

### After:



- Improved colors
- Proper indentation
- Logging style now also applied to loggers from other Python modules
- Syntax highlighting for tracebacks and in the IPython Controller

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### **Constellation Paper Updates**

- Final screenshots, version number removed
- Application sections almost filled (MADMAX still missing but draft already received)
- Paper now describes version 1.0 (Corona Australis)
- Almost ready for publication

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