SCIAMACHY QWG-3 Meeting #6

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On Reprocessing L1v8 L2v6

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Level 1 v8.01/8.02 dataset

- Available since **6 May 2016**
  from ESA centralised dissemination service (DissHarm)

scia-ftp-ds.eo.esa.int

- Download speed significantly improved, up to 100 Mbyte/sec
- Files gzipped – saving 40%

Level 1 v8.01/8.02 dataset

	Number of Orbits			
Year	cL0 Available	L1b Generated	L1b Failed	Availability (%)
2002	1856	1789	67	96.39
2003	4761	4689	72	98.49
2004	5070	4972	98	98.07
2005	5114	5042	72	98.59
2006	4829	4773	56	98.84
2007	5033	4966	67	98.67
2008	5155	5120	35	99.32
2009	5046	4987	59	98.83
2010	4977	4966	11	99.78
2011	5072	5052	20	99.61
2012	1363	1359	4	99.71
Total	**48276**	**47715**	**561**	**98.84**

V7.04 47903 | 373 | 99.00

Level 1 v8.01/8.02 dataset

- SPPA web pages updated
- Complete L1v8 documentation at https://earth.esa.int/web/sppa/mission-performance/esa-missions/envisat/sciamachy/products-and-algorithms/products-information
- SciaL1c v3.2 released
- Version 7.04 dataset available at D-PAC until autumn 2016

Known issues in L1 v8.0X data

- All findings detailed in the L1 README file.

After release discovered:

  - 3 additional orbits with negative orbit phase values.
  - Incorrect consolidation of Level 0 products: 3 Level 0 products present incomplete durations or incorrect start/stop times after orbit lowering (Oct. 2010)
  - Corrupted cluster configuration for 41 products.
    - **To be added to next README file**
    - **Fixes for IPP 9 (when possible)**

Level 2 baseline v6.01

- Full mission reprocessing campaign completed
- **Data available to experts for validation purposes**
- Storage space 1.4 TB
- Credentials to access provided to QWG/valid teams

  D-PAC server **eoa-dp.eo.esa.int**
- Expected public release end 2016.
- L2 Readme File - draft circulated for revision/inputs
- QC on going:

  32 products affected by format inconsistencies.

Level 2 baseline v6.01

	Number of Orbits			
Year	cL1 Available	L2 Generated	L2 Failed	Availability (%)
2002	1789	1694	95	94.68
2003	4689	4593	96	97.95
2004	4972	4902	70	98.59
2005	5042	4982	60	98.80
2006	4773	4719	54	98.86
2007	4966	4910	56	98.87
2008	5120	5070	50	99.02
2009	4987	4934	53	98.93
2010	4966	4901	65	98.69
2011	5052	5010	42	99.16
2012	1359	1338	21	98.45
Total	47715	47053	662	98.61

Number of failures comprises the calibration orbits for which L2 product generation is not expected.