PDS Review GAIDA

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The Instrument



Summary

- CODMAC Level 2/3 Data
- 8 data sets:
 - Prelanding 67P Raw/Calibrated Data (January 21 2014 until the November 20 2014)
 - Comet Escort Phase 1 Data (November 21 2014 until March 10 2015)
 - Comet Escort Phase 2 Data (March 11 2015 until June 30 2015)
 - Comet Escort Phase 3 Data (July 1 2015 until October 20 2015)

- Comet Escort Phase 4 Data (October 21 2015 until January 12 2016)
- Extension Phase 1 Data (January 13 2016 until April 5 2016)
- Extension Phase 2 Data (April 6 2016 until June 30 2016)
- Extension Phase 3 Data (July 1 2016 until September 30 2016)
- Data products are consistent
- Very good documentation

Processing Level

- CODMAC Level 3 data include:
 - Data for single grains detected by IS, IS +GDS
 - size, speed, momentum,..

Data Products

- Managed to read all tables
- Most valuable for users: <phys> data

IDL> pds_giadaShow	wPhysData					
2014-213/16:15:03	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-214/09:54:25	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-216/01:49:10	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-217/10:02:44	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-223/11:24:29	v(GDS):	3.2km/s	v(IS):	3.2km/s m:	9.8E-09kg	
2014-223/11:24:38	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-223/17:05:59	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-224/08:44:59	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
IDL> pds_giadaShow	PhysData					
2014-326/00:02:08	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-332/22:46:19	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-333/23:00:40	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-334/00:22:17	v(GDS):	3.2km/s	v(IS):	3.2km/s m:	9.2E-08kg	
2014-334/11:32:20	v(GDS):	4.8km/s	v(IS):	4.8km/s m:	4.0E-08kg	
2014-334/11:39:56	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2014-336/05:46:23	v(GDS):	5.2km/s	v(IS):	5.2km/s m:	3.9E-08kg	
2011 220 /00 10 11	((00))	2 71 ((70)	2 7 (C 05 001	
IDL> nds aiadaShow	PhysData					
2015-070/04:00:38	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2015-072/06:37:53	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2015-072/20:22:37	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2015-072/21:25:13	v(GDS):	0.3km/s	v(IS):	0.3km/s m:	1.7E-07kg	
2015-072/22:24:40	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2015-073/07:37:10	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg	
2015-073/07:56:12	v(GDS):	4.8km/s	v(IS):	4.8km/s m:	4.7E-08kg	

IDL> pds_giadaShow	PhysData						
2015-185/06:42:18	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-186/04:07:00	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-189/05:05:54	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-191/02:54:23	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-191/13:15:52	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-192/13:56:06	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-192/14:37:26	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-193/10:51:26	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-195/16:30:03	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-196/06:59:26	v(GDS):	13.9km/s	v(IS):	13.9km/s m:	1.2E-08kg		
IDL> pds_giadaShow	PhysData						
2015-297/21:40:33	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-298/01:26:47	v(GDS):	10.3km/s	v(IS):	10.3km/s m:	1.7E-08kg		
2015-298/22:09:40	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-300/23:38:36	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2015-300/23:53:49	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
IDL> pds_giadaShow	vPhysData						
2016-015/12:06:43	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-016/22:18:06	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-016/23:12:33	v(GDS):	7.1km/s	v(IS):	7.1km/s m:	2.8E-08kg		
2016-017/02:07:20	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-017/03:01:44	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
IDL> pds_giadaShow	PhysData						
2016-112/03:31:34	v(GDS):	1.4km/s	v(IS):	1.4km/s m:	1.5E-07kg		
2016-112/08:39:07	v(GDS):	0.8km/s	v(IS):	0.8km/s m:	1.6E-07kg		
2016-113/14:45:50	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-113/14:47:51	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-113/15:21:07	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-115/20:04:15	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-115/20:10:13	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-249/20:01:30	v(GDS):	2.3km/s	v(IS):	2.3km/s m:	2.7E-08kg		
2016-249/20:04:35	v(GDS):	2.0km/s	v(IS):	2.0km/s m:	6.6E-08kg		Las
2016-249/20:14:33	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-249/20:31:35	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-256/03:36:52	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-256/03:37:16	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-256/03:55:53	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-256/05:43:42	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		
2016-259/08:49:05	v(GDS):	0.0km/s	v(IS):	0.0km/s m:	0.0kg		

Last Impact recorded by GIADA