

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11096 - L2 Version 2
Chandra X-Ray Center

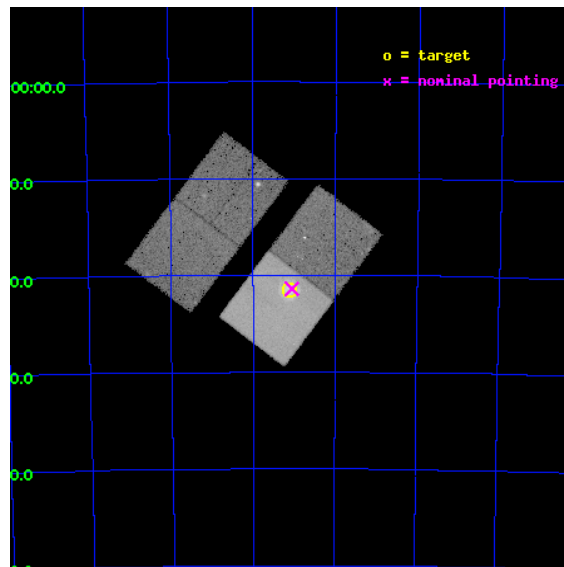
L2 Processing Date : Jun 26 2012

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1 Front

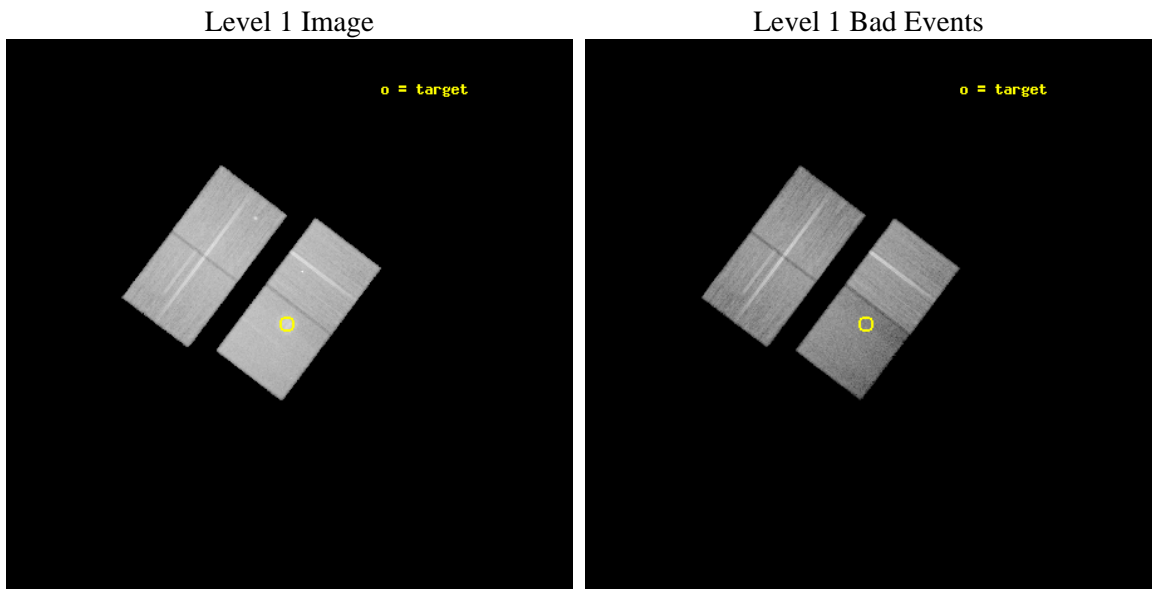
seq_num	501185	Sequence number
obs_id	11096	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.763421891088	Nominal RA [deg]
dec_nom	-73.356570225617	Nominal Dec [deg]
roll_nom	127.07117721739	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37050.213943183	Sum of GTIs [s]
livetime	36566.125622045	Livetime [s]
ontime2	37050.090823174	Sum of GTIs [s]
ontime3	37046.99087292	Sum of GTIs [s]
ontime6	37034.467991889	Sum of GTIs [s]
ontime7	37050.213943183	Sum of GTIs [s]
l2events	212678	Number of level 2 events



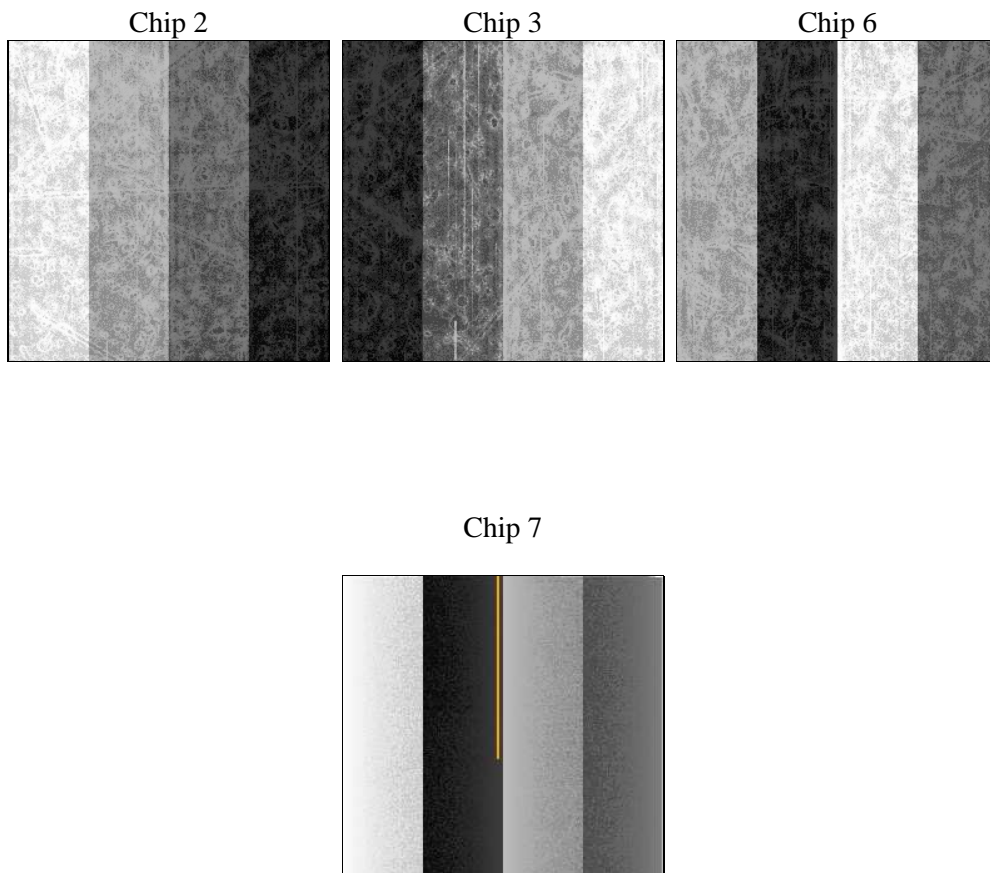
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	37000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	37050.213943183	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	37050.090823174	Sum of GTIs [s]
date	2012-06-26T15:58:00	Date and time of file creation	ontime3	37046.99087292	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	37034.467991889	Sum of GTIs [s]
			ontime7	37050.213943183	Sum of GTIs [s]
			l1events	1071602	Number of level 1 events

2.1.4 Events

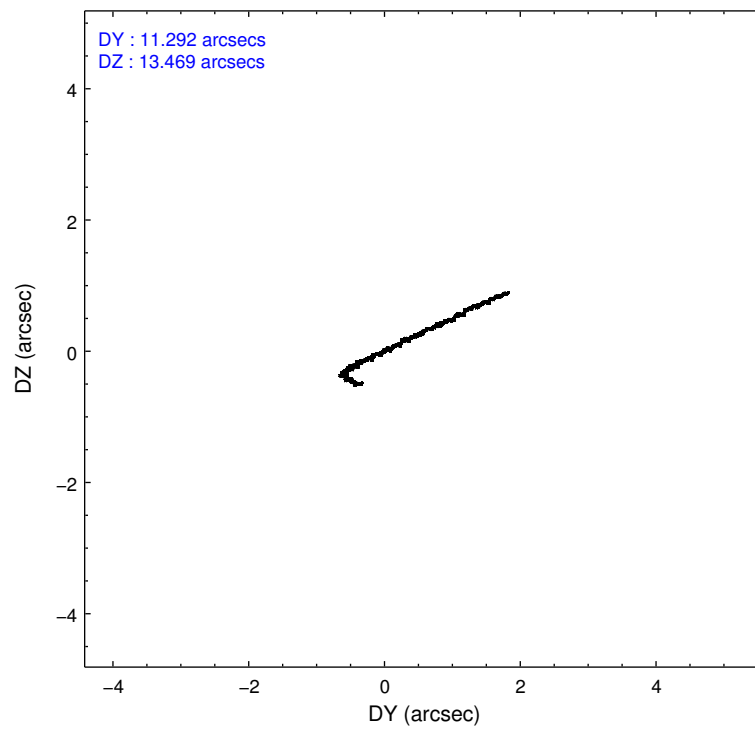
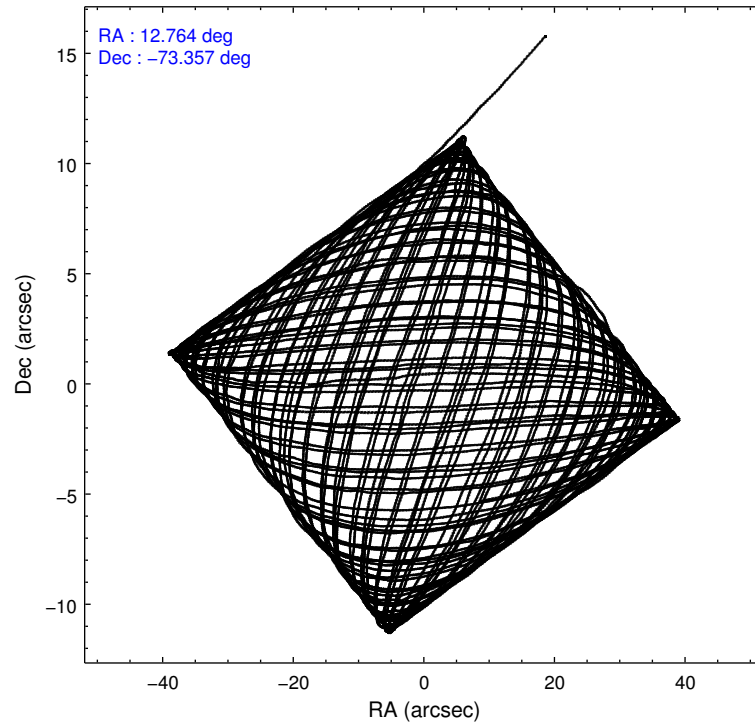
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	266534	252994	270227	281847
rejected events	237803	227069	239719	137572
rejected %	89%	89%	88%	48%

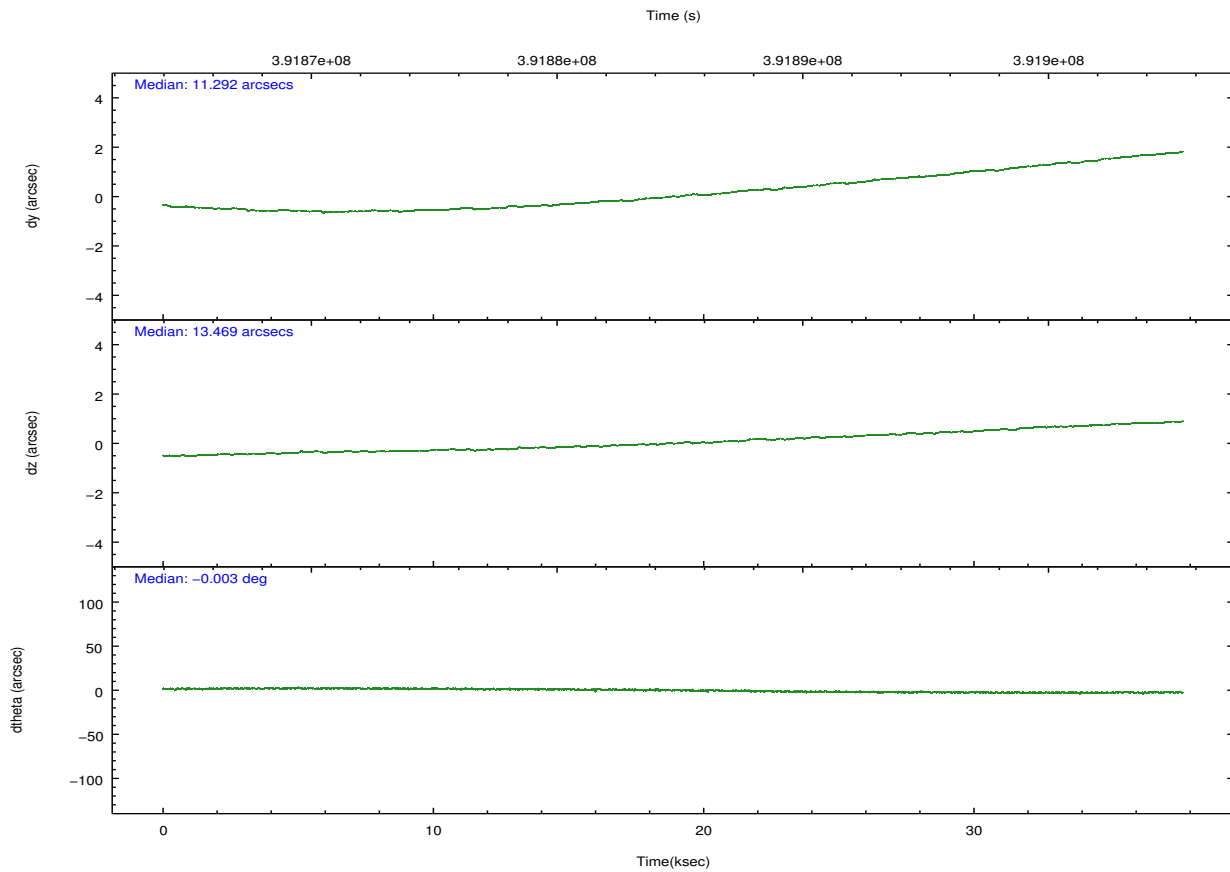
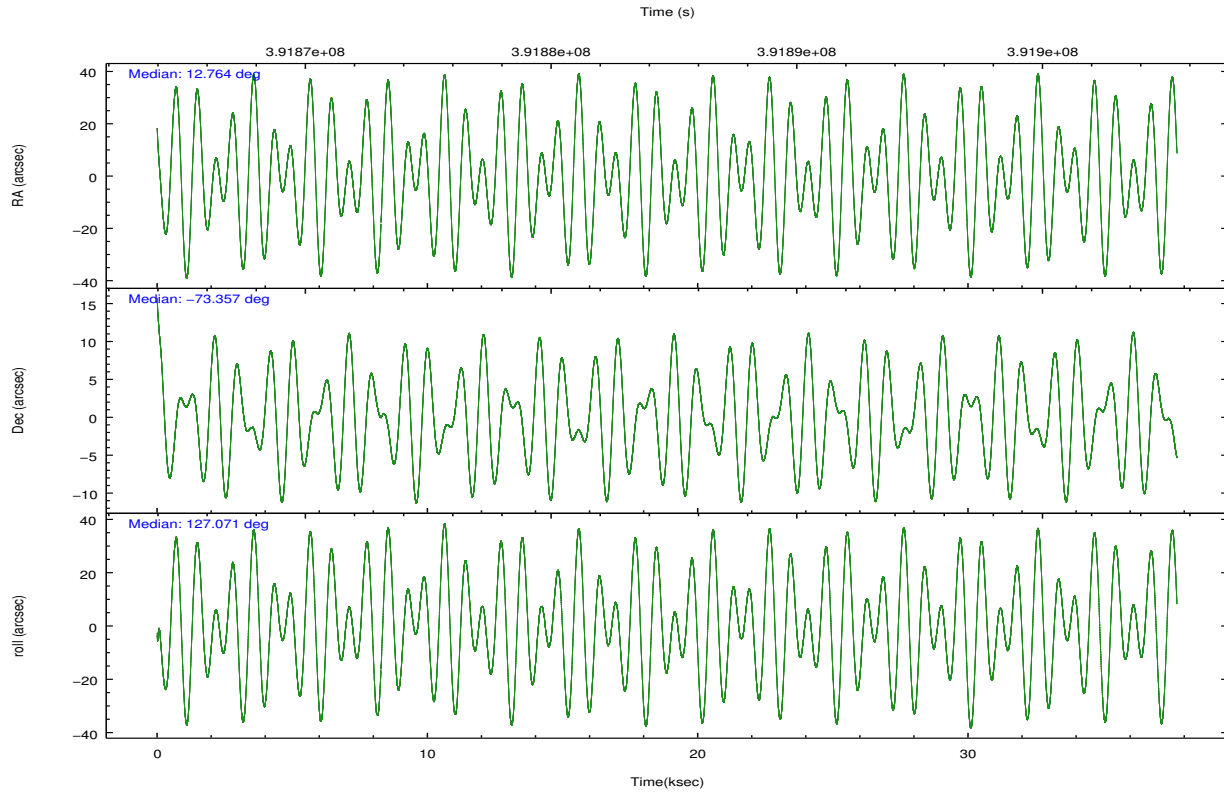
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	11273	9498	12013	17974
	4%	3%	4%	6%
grade 1 events	170	148	152	355
	0%	0%	0%	0%
grade 2 events	6772	5747	6705	31666
	2%	2%	2%	11%
grade 3 events	2867	2830	3008	13542
	1%	1%	1%	4%
grade 4 events	2995	2884	2984	13365
	1%	1%	1%	4%
grade 5 events	8217	9964	9924	28647
	3%	3%	3%	10%
grade 6 events	4830	4966	5800	67735
	1%	1%	2%	24%
grade 7 events	229410	216957	229641	108563
	86%	85%	84%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	12.851860	12.76342189108846	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.366876	-73.35657022561682	Alternating exposures requested	N	N
[deg] Pointing Roll	126.999290	127.0711772173934	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	391866587.184000	391865042.09287			
Observation start date	2010-06-02T11:48:41	2010-06-02T11:24:02			
[s] Observation end time (MET)	391903587.184000	391904238.60736			
Observation end date	2010-06-02T22:05:21	2010-06-02T22:17:18			
Read mode	TIMED	TIMED			

2.3 Aspect



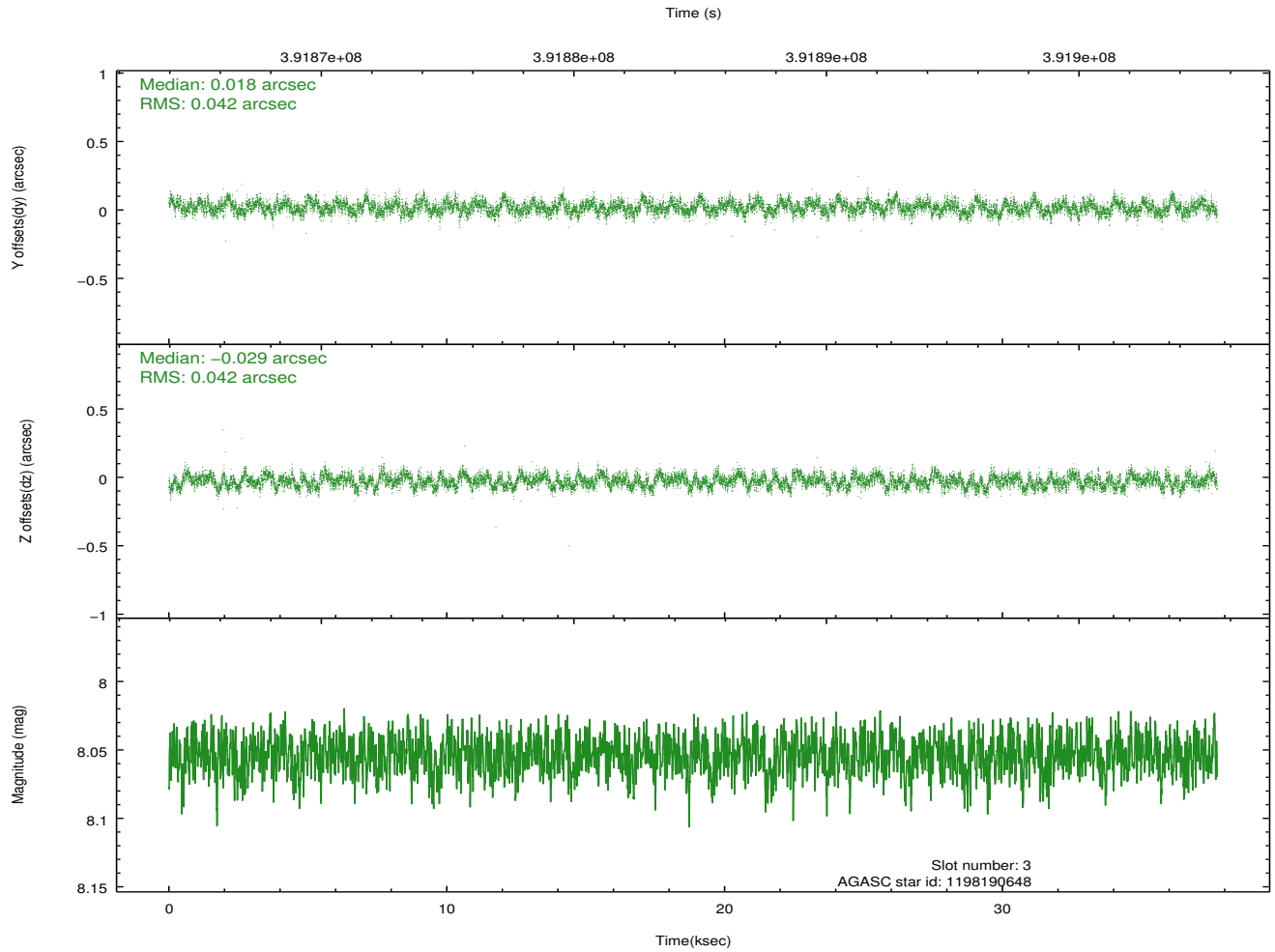
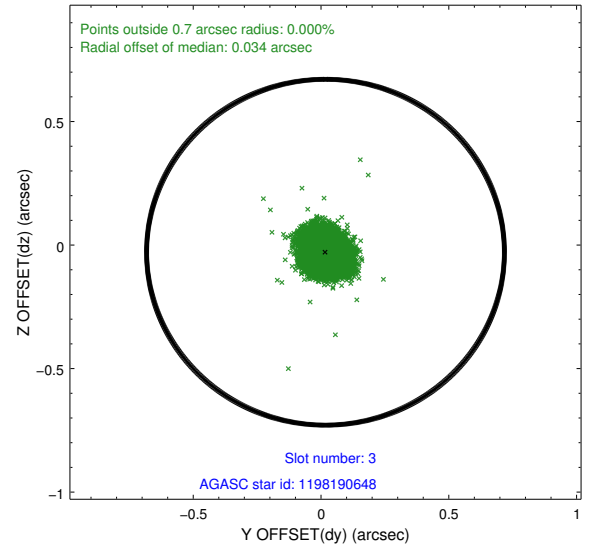
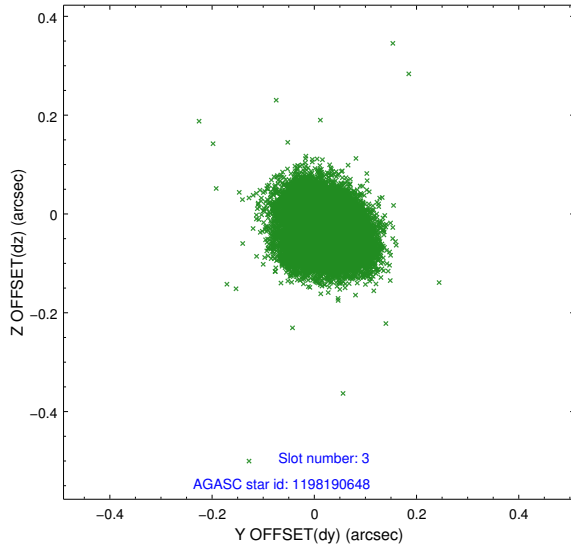


Slot Statistics

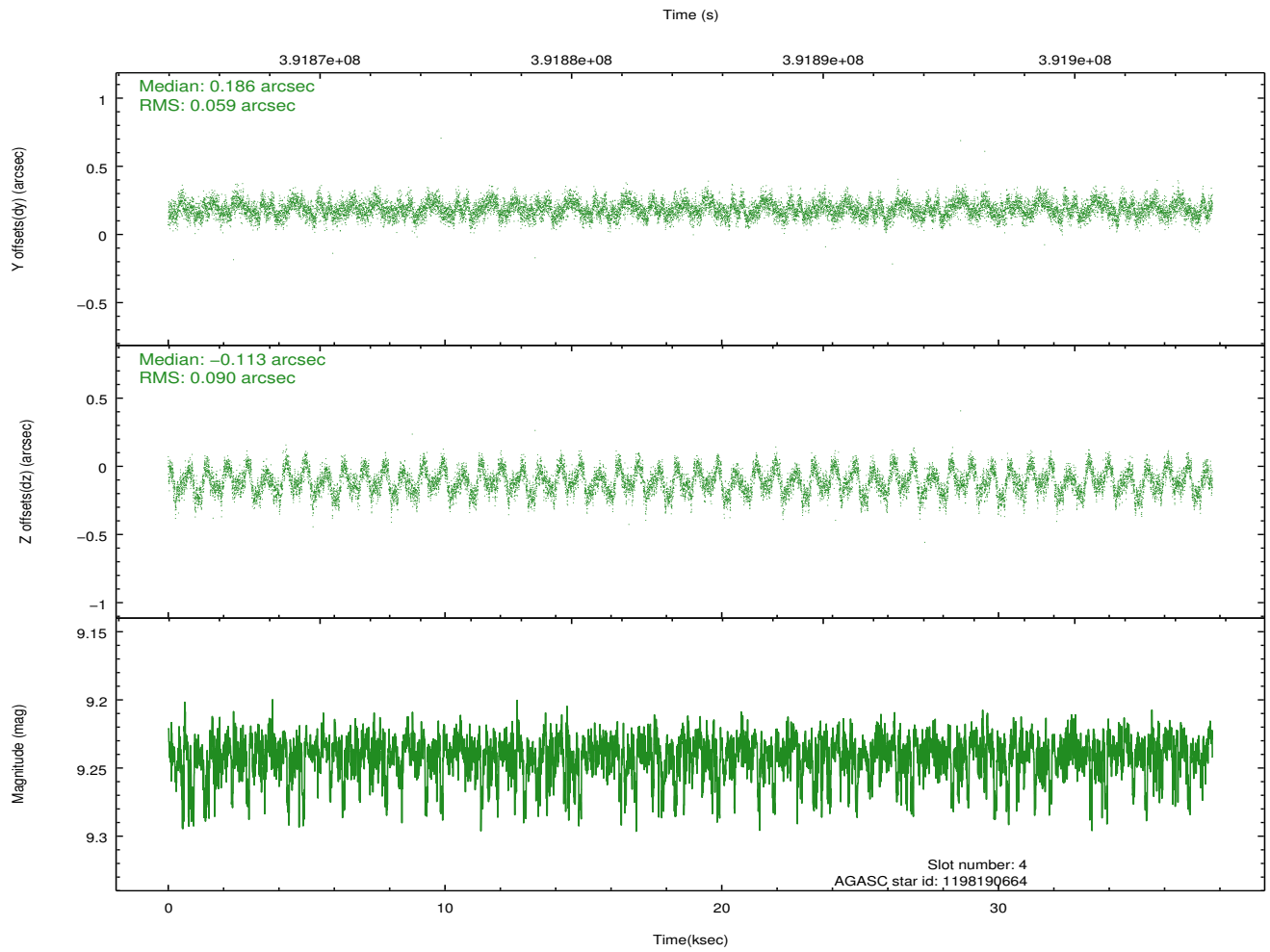
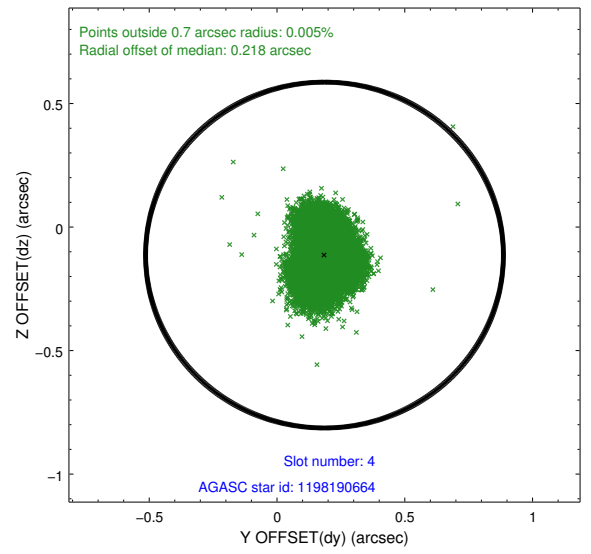
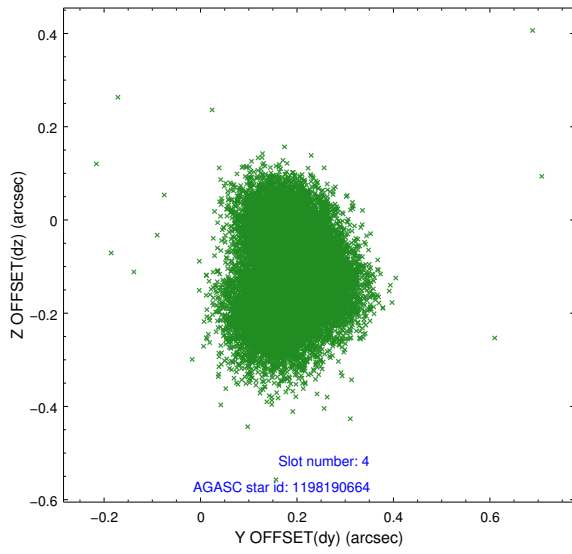
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	9202	-0.081	-0.045	0.007	0.023	0.000000	0.000000	-764.48	-1734.93
1	FID	ACIS-S-4	6.98	9202	0.089	0.044	0.010	0.022	0.000000	0.000000	2148.98	173.59
2	FID	ACIS-S-6	7.12	9202	-0.036	0.009	0.011	0.018	0.000000	0.000000	397.61	811.00
3	GUIDE	1198190648	8.05	18402	0.018	-0.029	0.063	0.100	12.344115	-73.478663	-10.38	658.96
4	GUIDE	1198190664	9.24	18355	0.186	-0.113	0.116	0.180	14.057016	-73.825958	-2057.12	36.97
5	GUIDE	1198191248	8.36	18398	-0.072	0.175	0.078	0.129	15.995132	-73.462457	-2280.02	-2312.79
6	GUIDE	1198191824	9.34	18312	-0.168	0.038	0.096	0.157	11.519918	-73.478175	488.29	1339.23
7	GUIDE	1198192456	8.57	18394	0.034	-0.079	0.079	0.122	13.422921	-73.869405	-1790.54	634.55

2.4 Star Slots

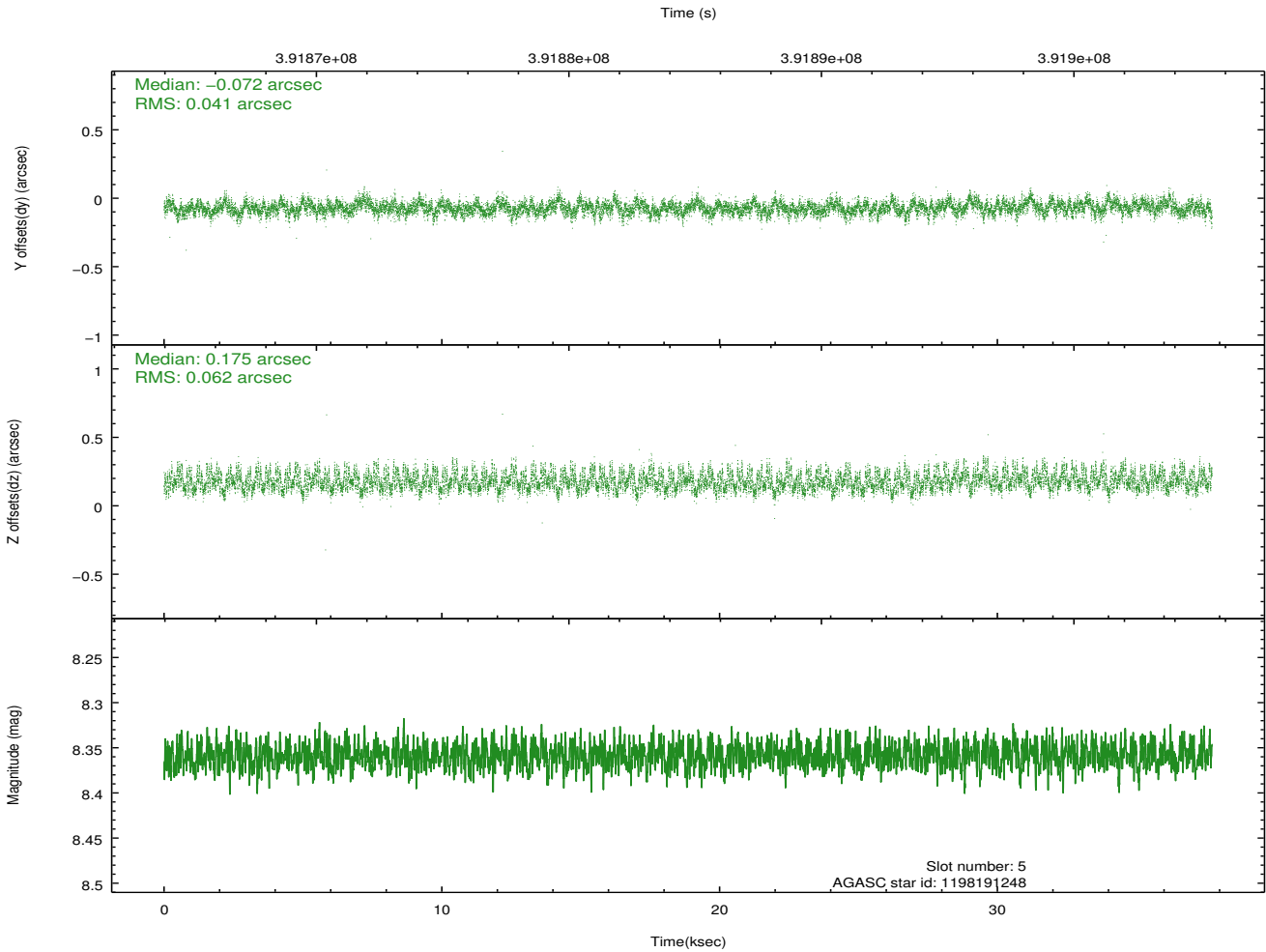
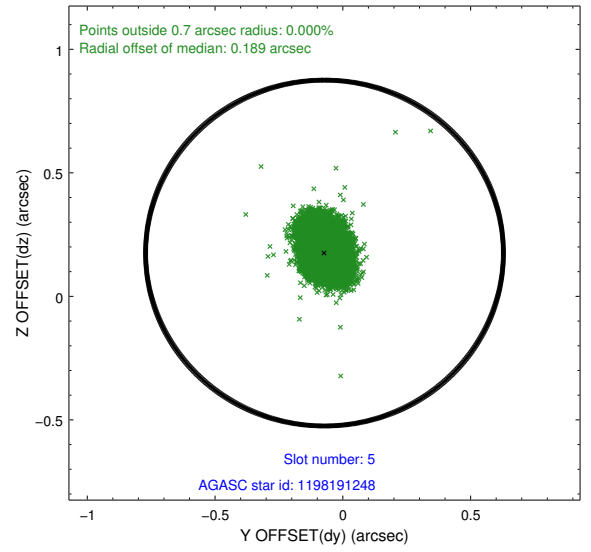
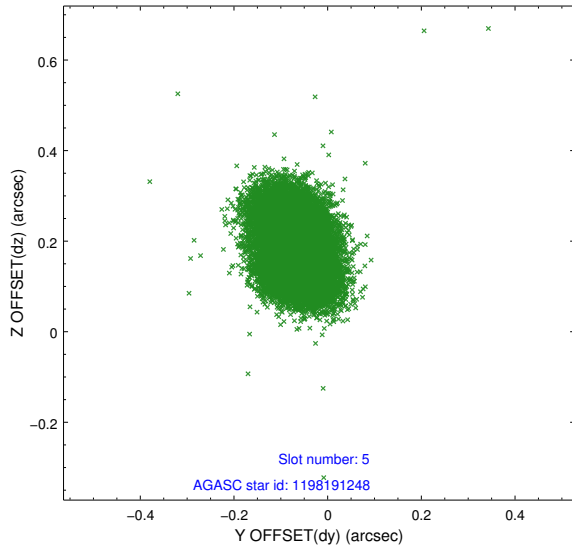
2.4.1 Slot 3



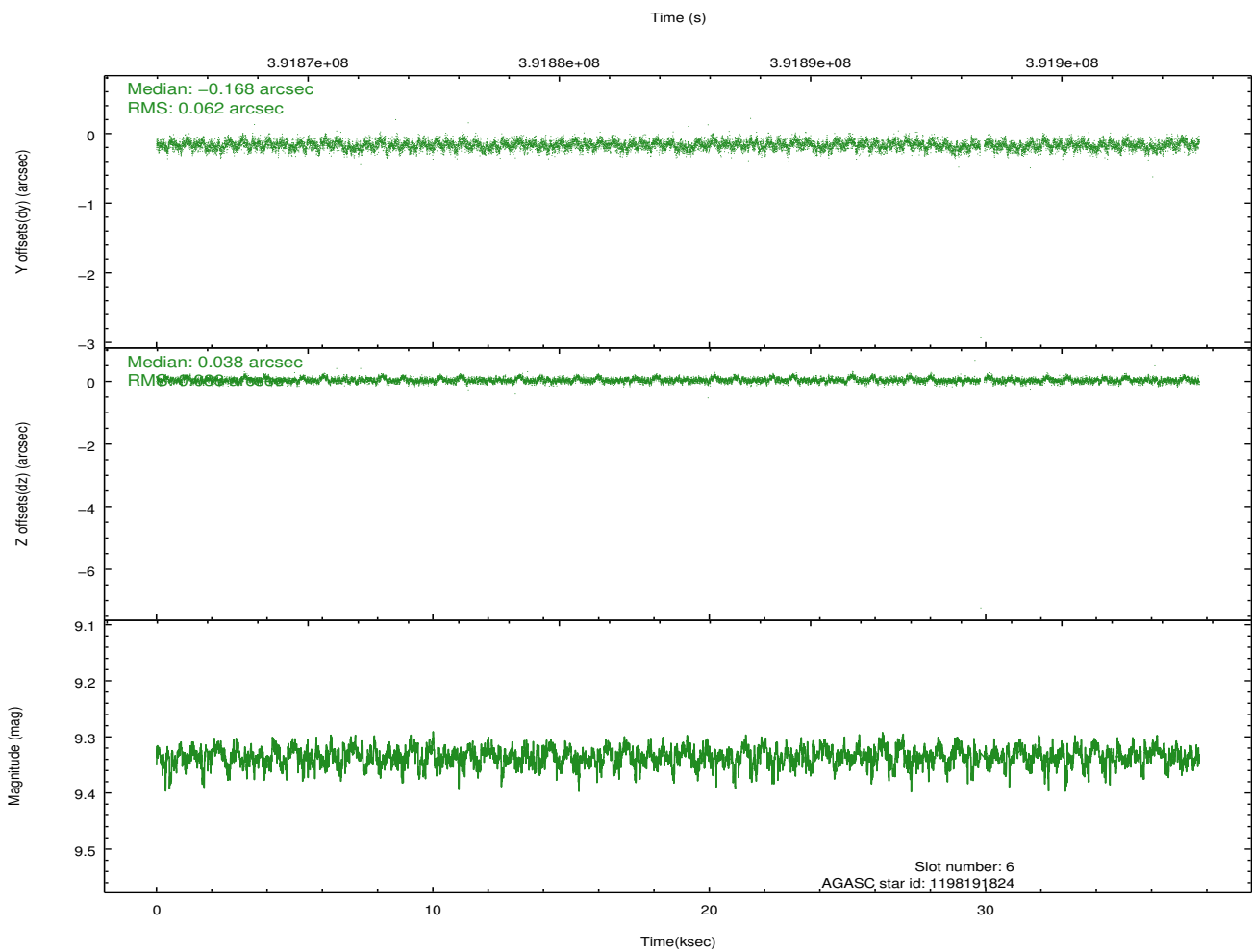
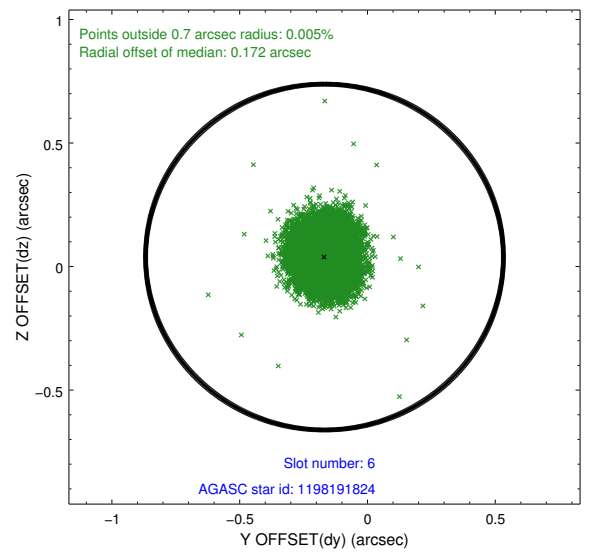
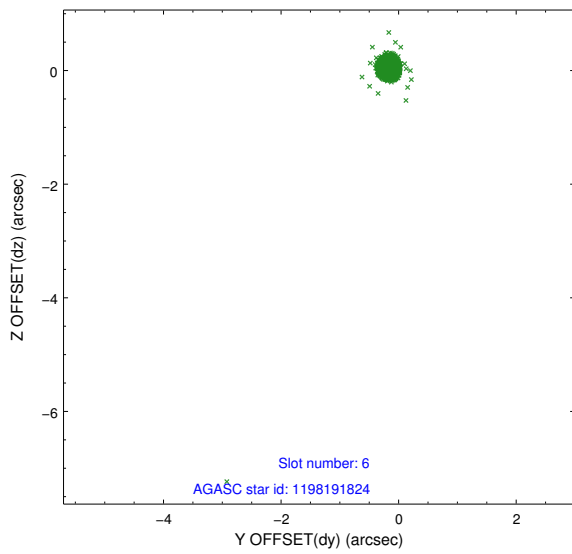
2.4.2 Slot 4



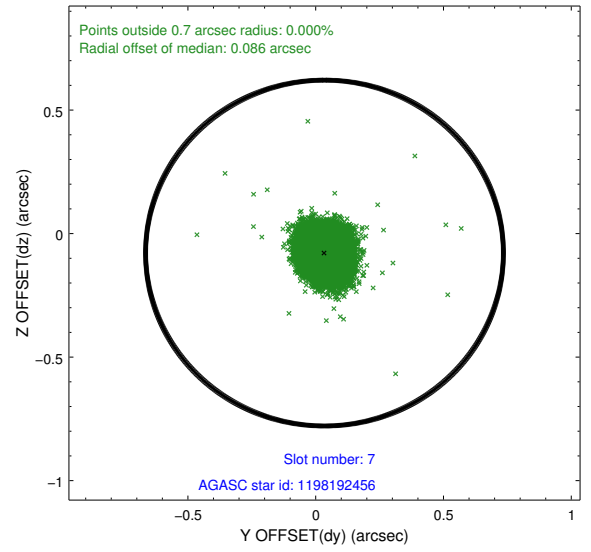
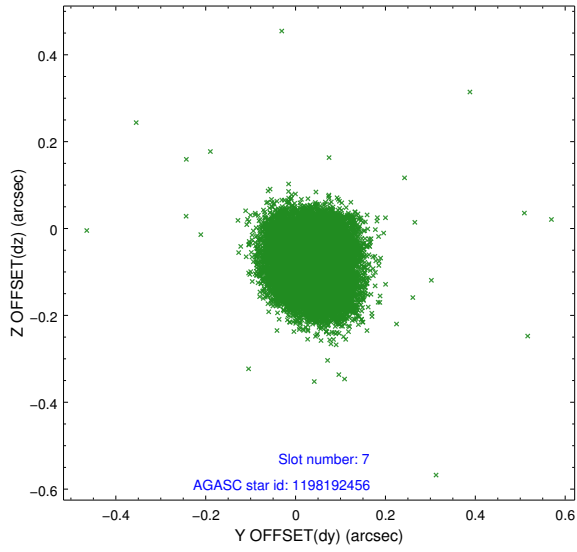
2.4.3 Slot 5



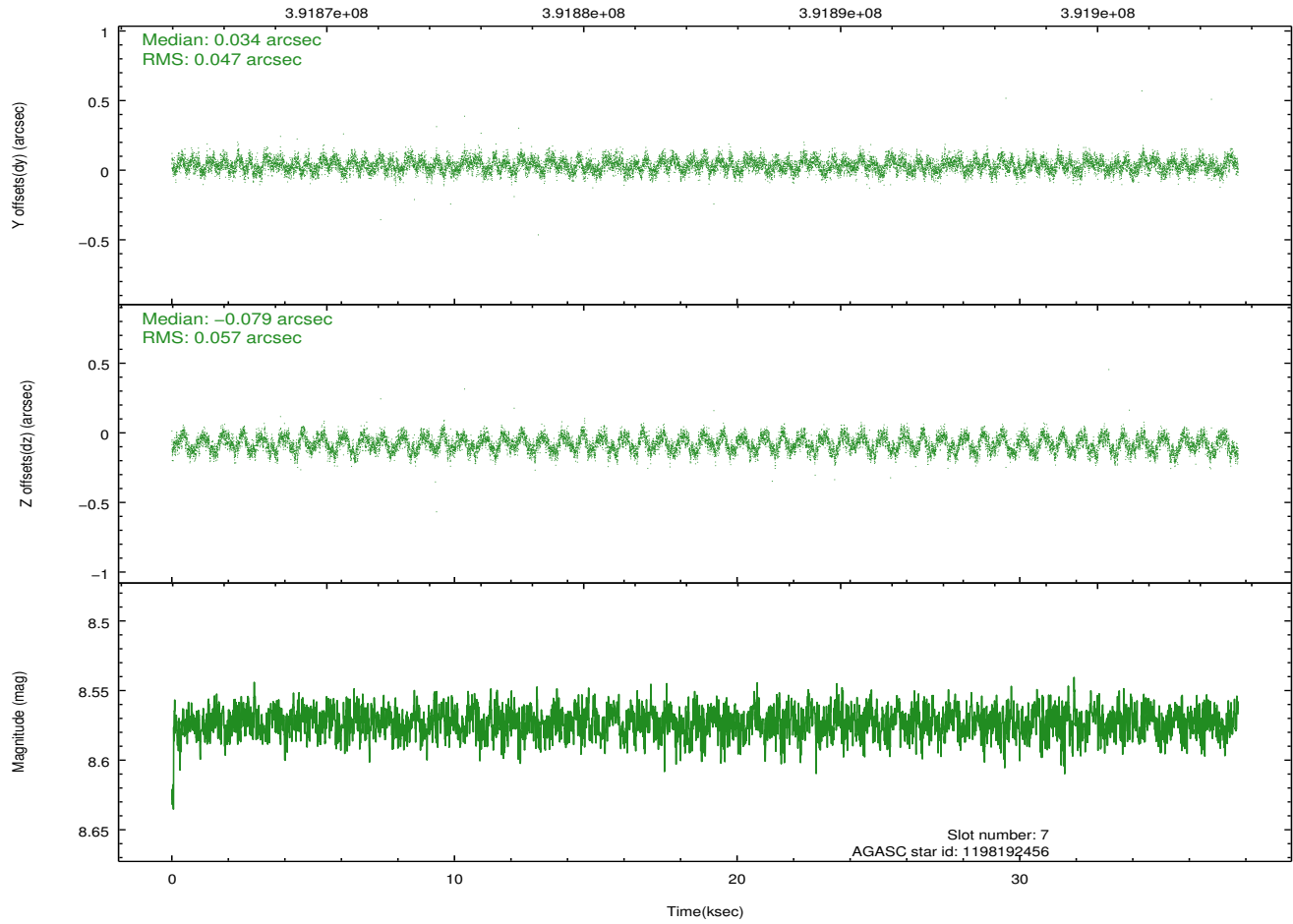
2.4.4 Slot 6



2.4.5 Slot 7

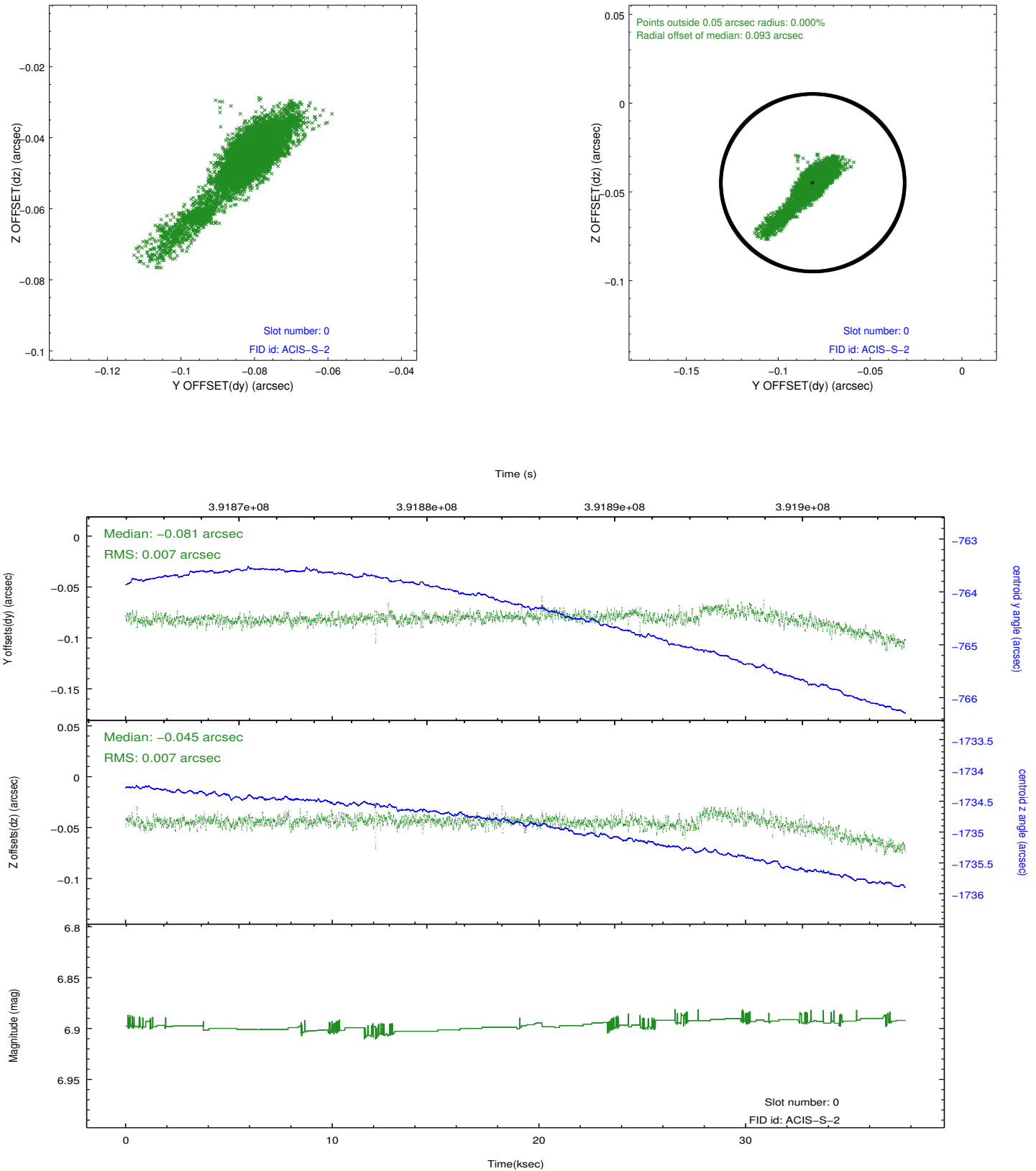


Time (s)

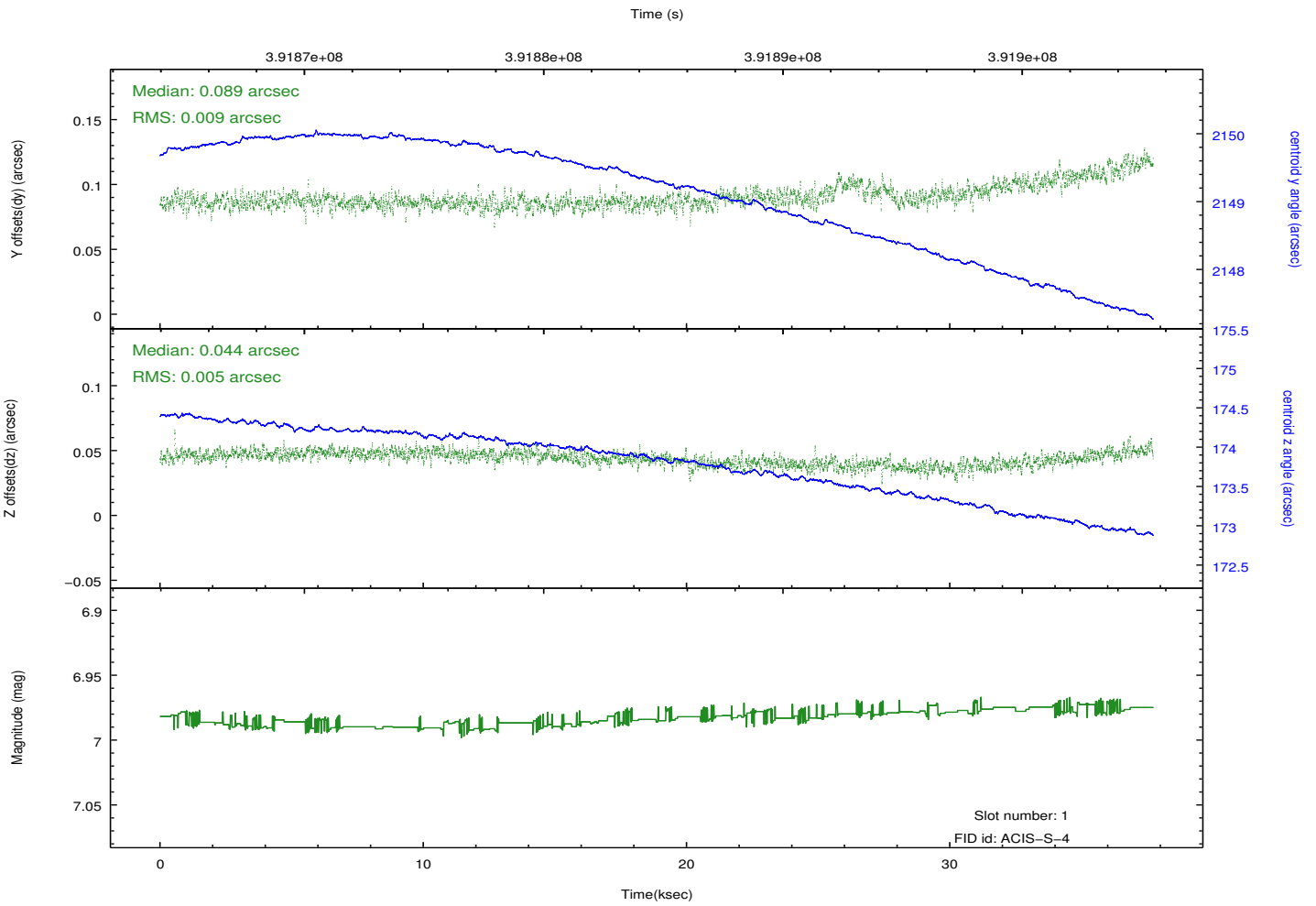
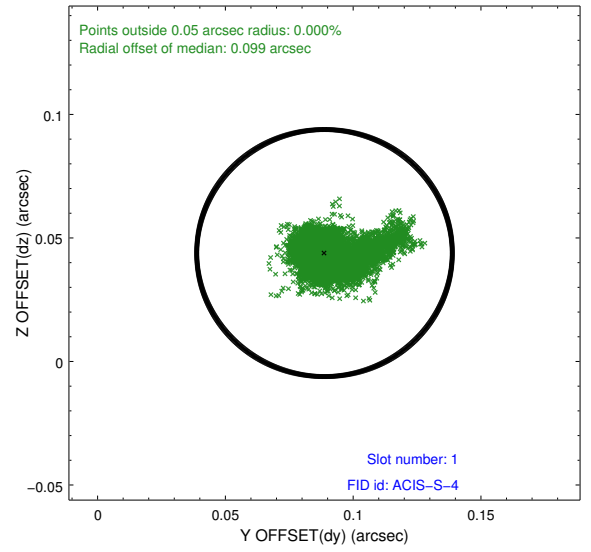
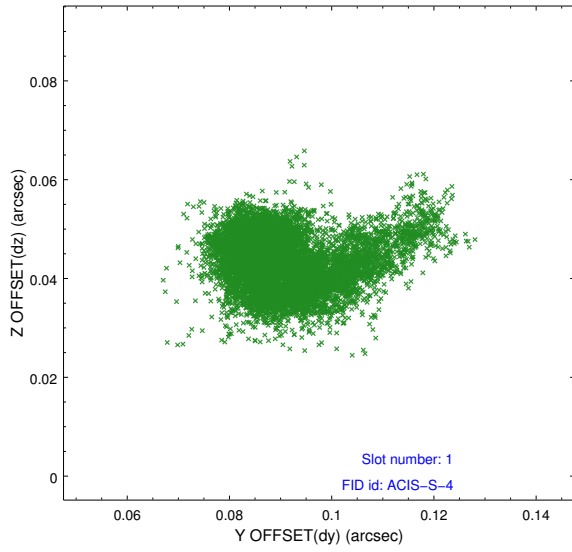


2.5 FID Slots

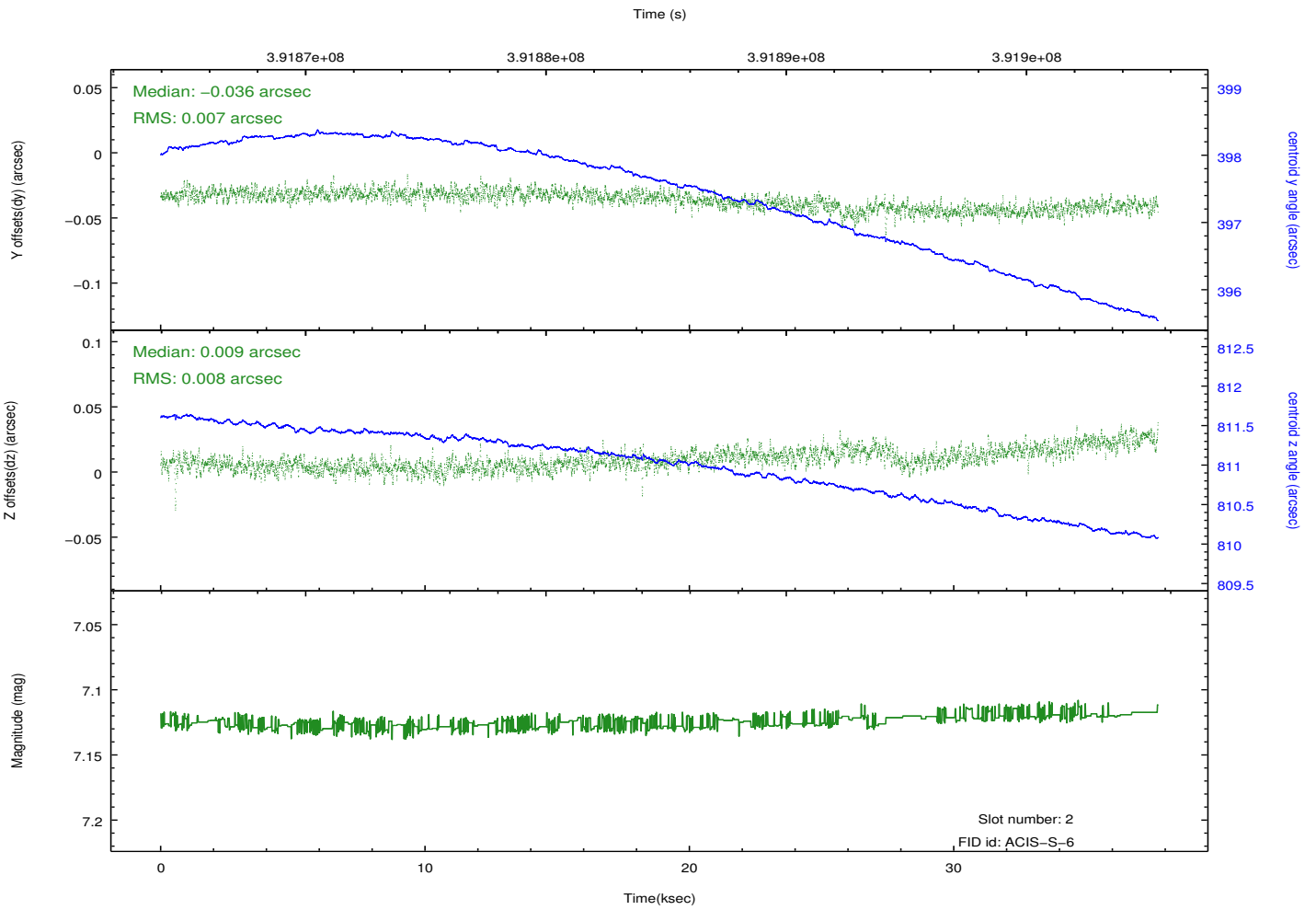
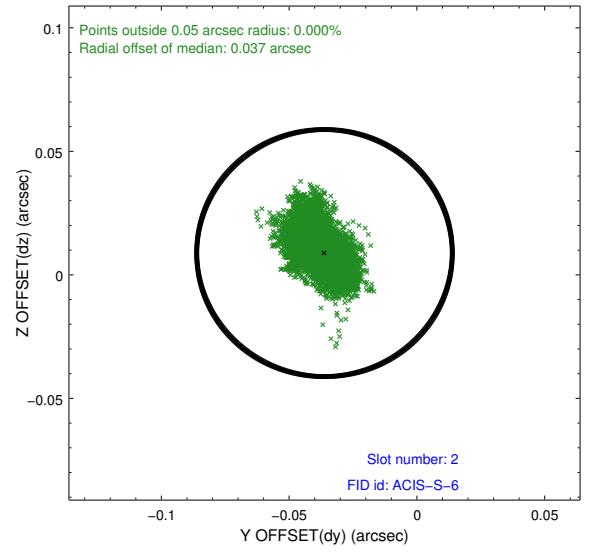
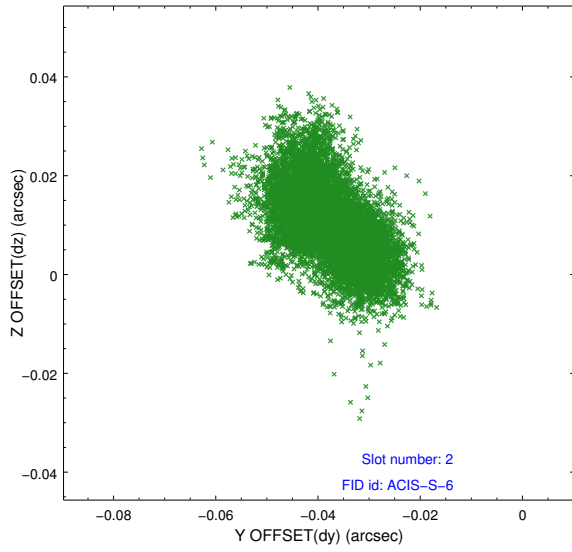
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.050213942051

A.2 Comments