

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10397 - L2 Version 2
Chandra X-Ray Center

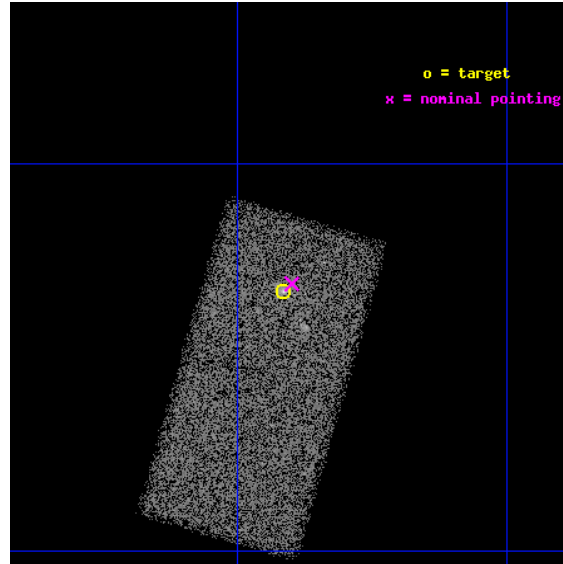
L2 Processing Date : Jun 7 2012

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1 Front

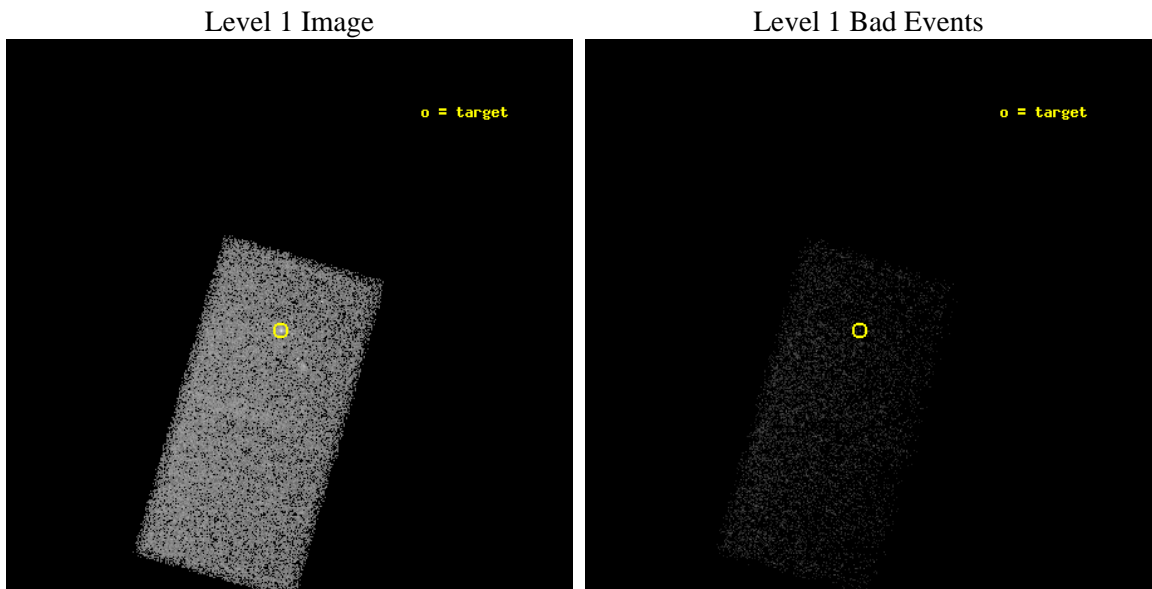
seq_num	701940	Sequence number
obs_id	10397	Observation id
title	A Complete Census of AGN Activity in Luminous Infrared Galaxies	Pr
observer	Dr David Alexander	Principal investigator
object	NGC7771	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	357.85375	Observer's specified target RA [deg]
dec_targ	20.111944	Observer's specified target Dec [deg]
ra_nom	357.8499453402	Nominal RA [deg]
dec_nom	20.115213939263	Nominal Dec [deg]
roll_nom	106.15793838141	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17172.0	Sum of GTIs [s]
livetime	16714.686185952	Livetime [s]
ontime7	17172.0	Sum of GTIs [s]
l2events	35343	Number of level 2 events



2 OBI

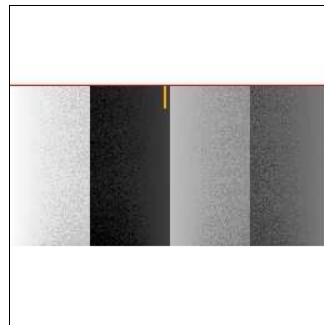
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17043.602000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	17172.0	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	17172.0	Sum of GTIs [s]
date	2012-06-07T16:00:51	Date and time of file creation	l1events	74475	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

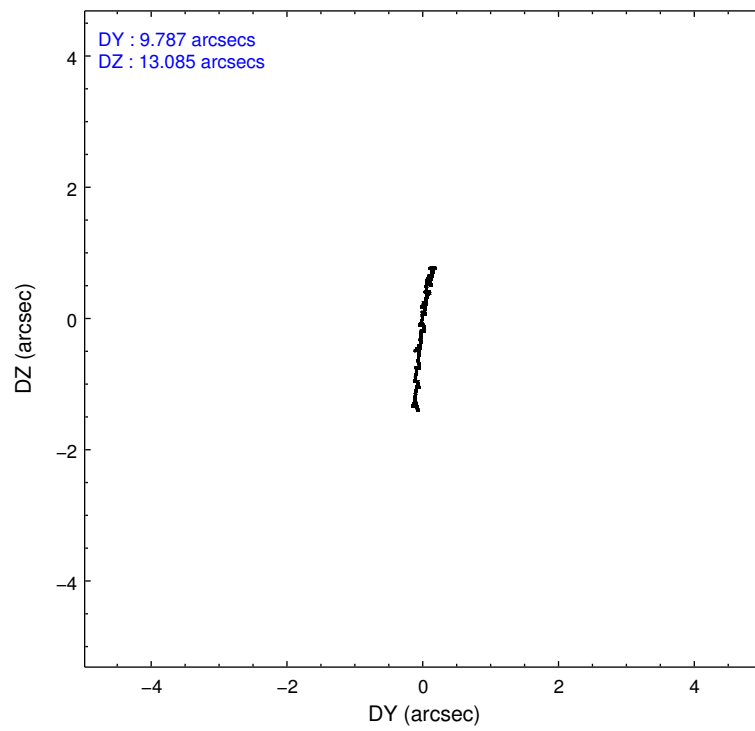
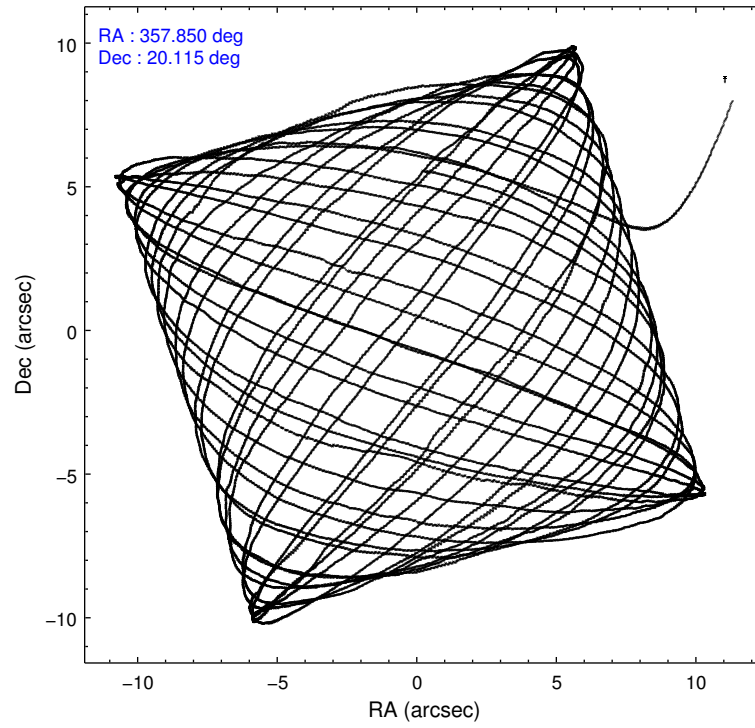
	ccd 7
level 1 events	74475
rejected events	37911
rejected %	50%

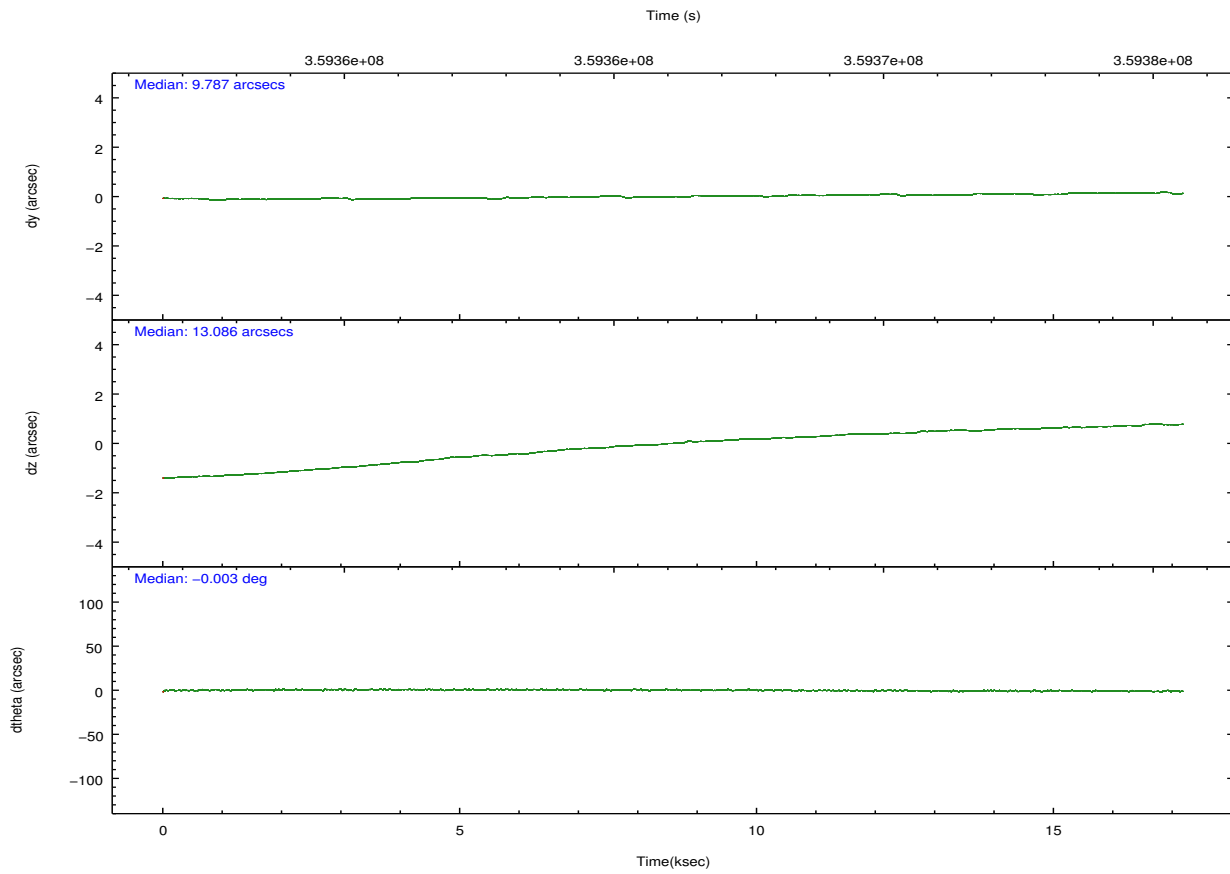
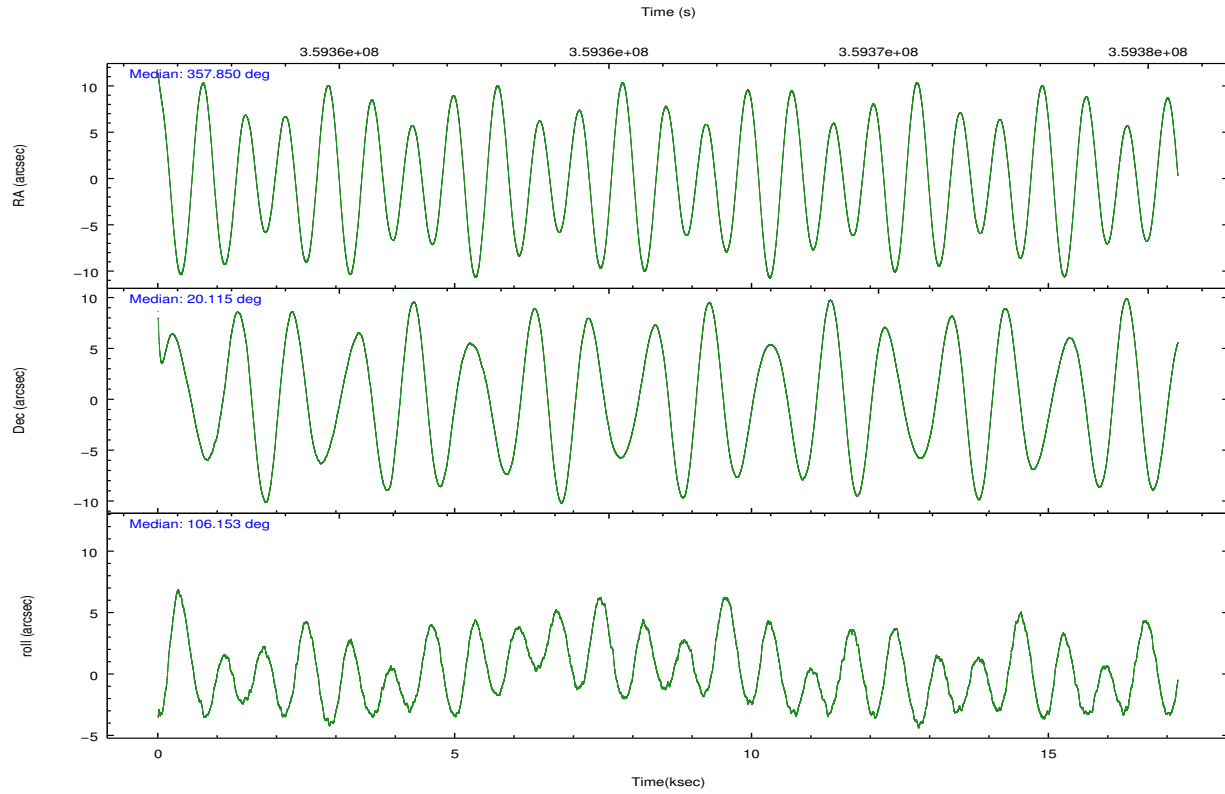
	ccd 7
grade 0 events	4325
	5%
grade 1 events	125
	0%
grade 2 events	8438
	11%
grade 3 events	4276
	5%
grade 4 events	4125
	5%
grade 5 events	8099
	10%
grade 6 events	17906
	24%
grade 7 events	27181
	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	357.871194	357.8499453401951	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	20.096531	20.11521393926266	Subarray start row	257	257
[deg] Pointing Roll	105.994012	106.157938381406	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	359357643.184000	359356323.41617			
Observation start date	2009-05-22T05:32:57	2009-05-22T05:12:03			
[s] Observation end time (MET)	359374686.184000	359374915.37959			
Observation end date	2009-05-22T10:17:00	2009-05-22T10:21:55			
Read mode	TIMED	TIMED			

2.3 Aspect



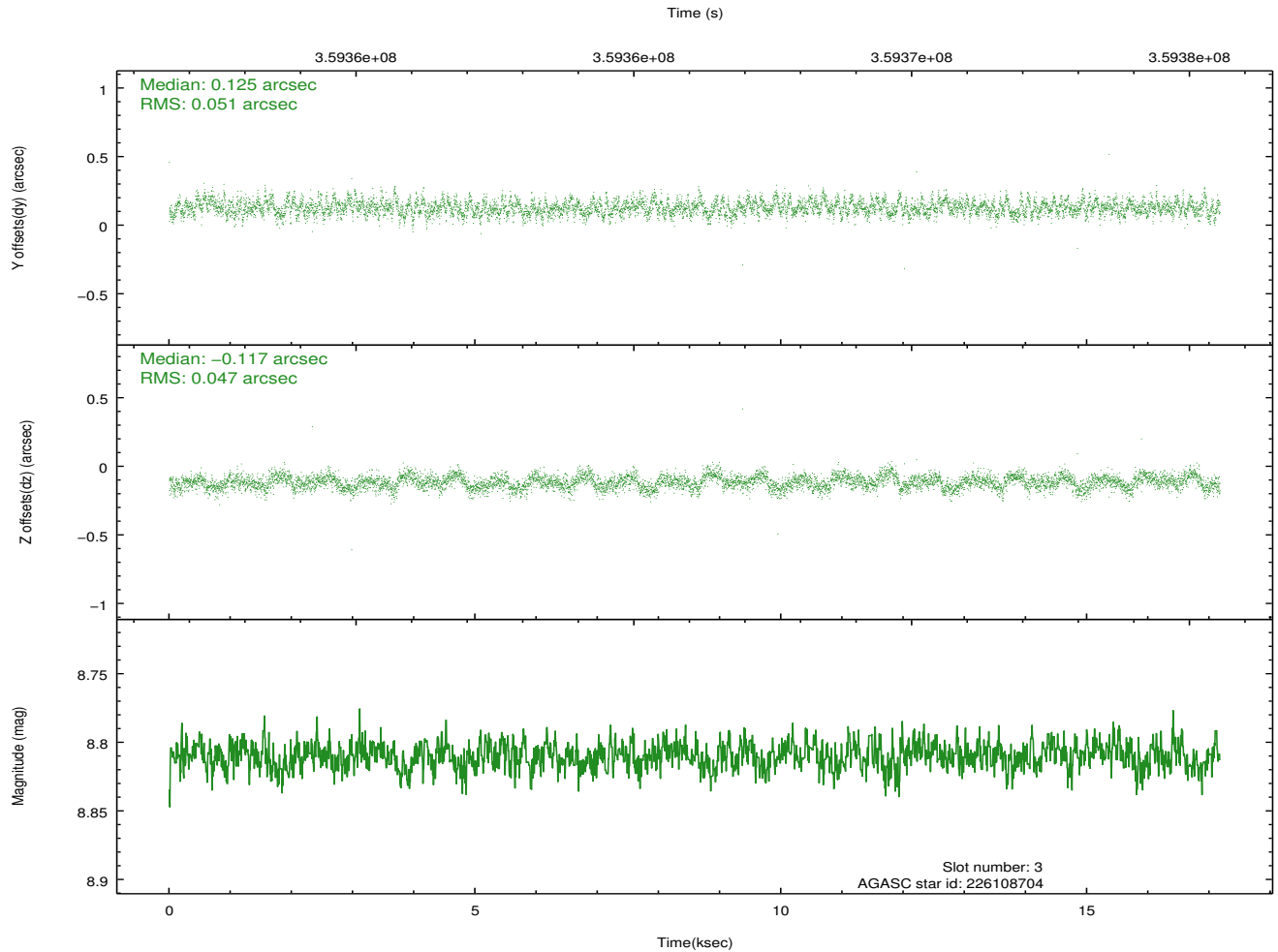
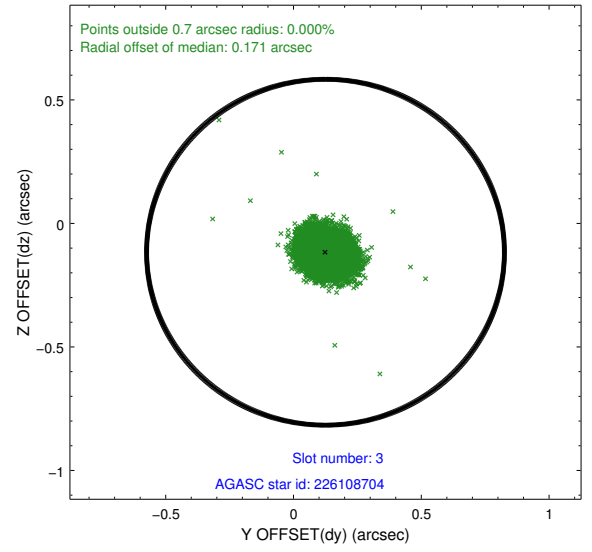
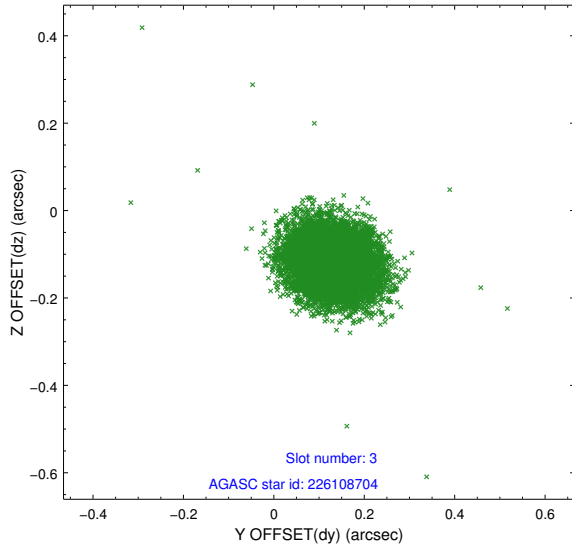


Slot Statistics

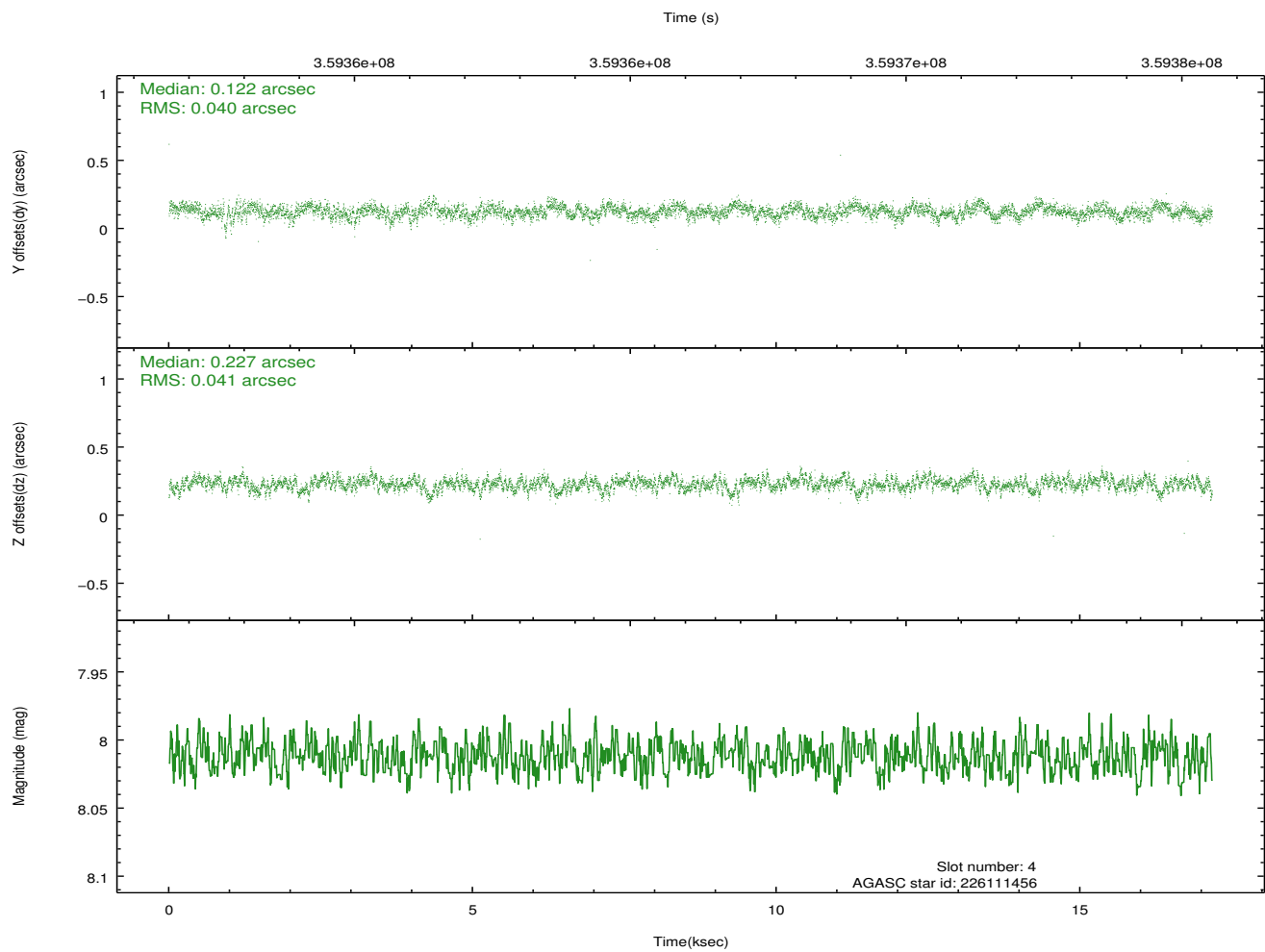
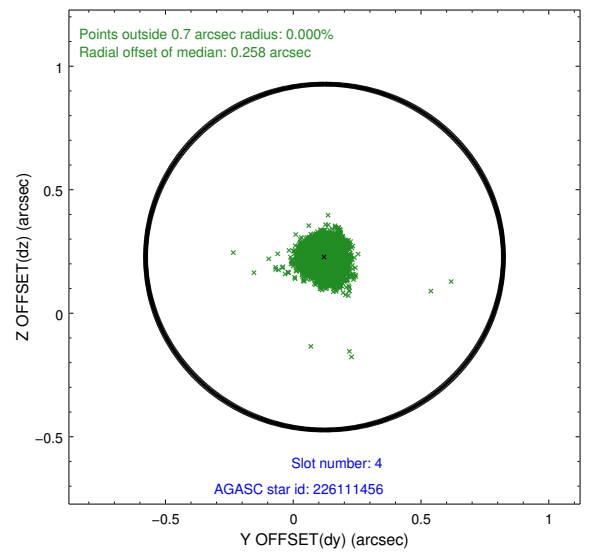
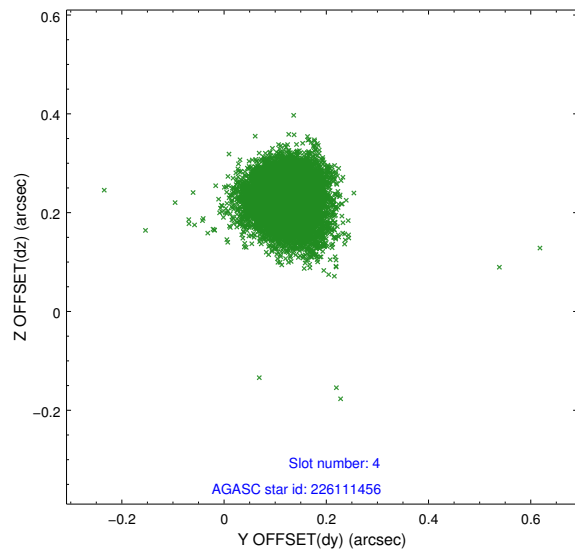
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	4190	-0.081	-0.049	0.010	0.017	0.000000	0.000000	-762.73	-1734.26
1	FID	ACIS-S-4	7.07	4190	0.085	0.043	0.011	0.016	0.000000	0.000000	2150.63	174.02
2	FID	ACIS-S-6	7.20	4190	-0.031	0.013	0.007	0.013	0.000000	0.000000	399.66	811.69
3	GUIDE	226108704	8.81	8366	0.125	-0.117	0.072	0.117	357.521766	19.528785	-1637.05	1702.55
4	GUIDE	226111456	8.01	8379	0.122	0.227	0.060	0.099	358.266878	19.556240	-2237.90	-754.74
5	GUIDE	226505664	9.09	8372	-0.219	-0.065	0.096	0.157	357.388874	20.105397	481.66	1557.77
6	GUIDE	226508000	9.28	8370	0.021	0.099	0.105	0.176	358.330515	20.882047	2295.30	-2264.35
7	GUIDE	226508248	8.90	8374	-0.053	-0.140	0.077	0.126	357.670041	20.402422	1246.31	348.97

2.4 Star Slots

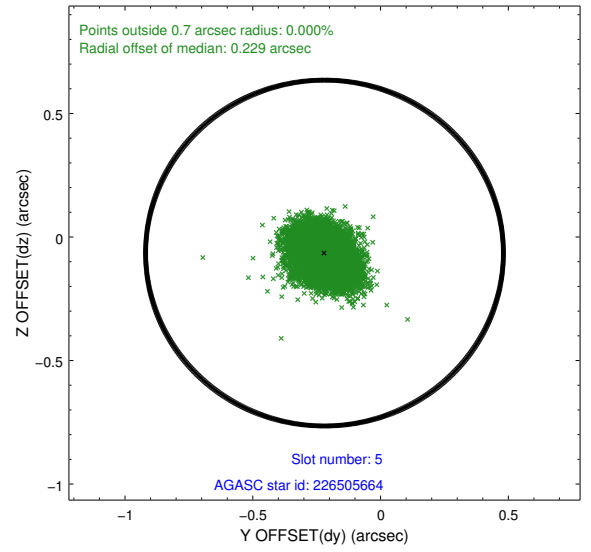
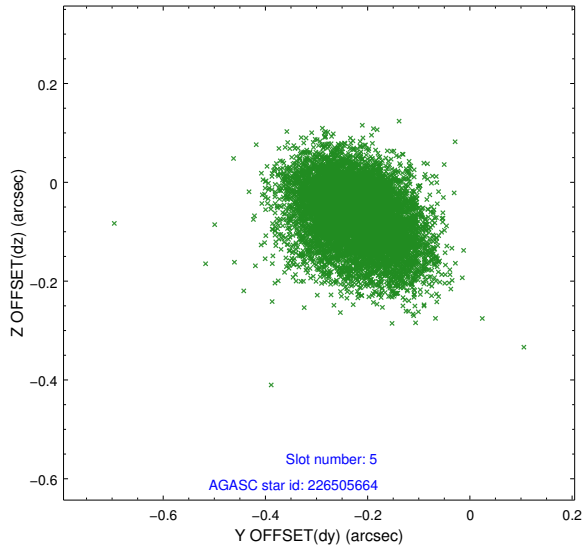
2.4.1 Slot 3



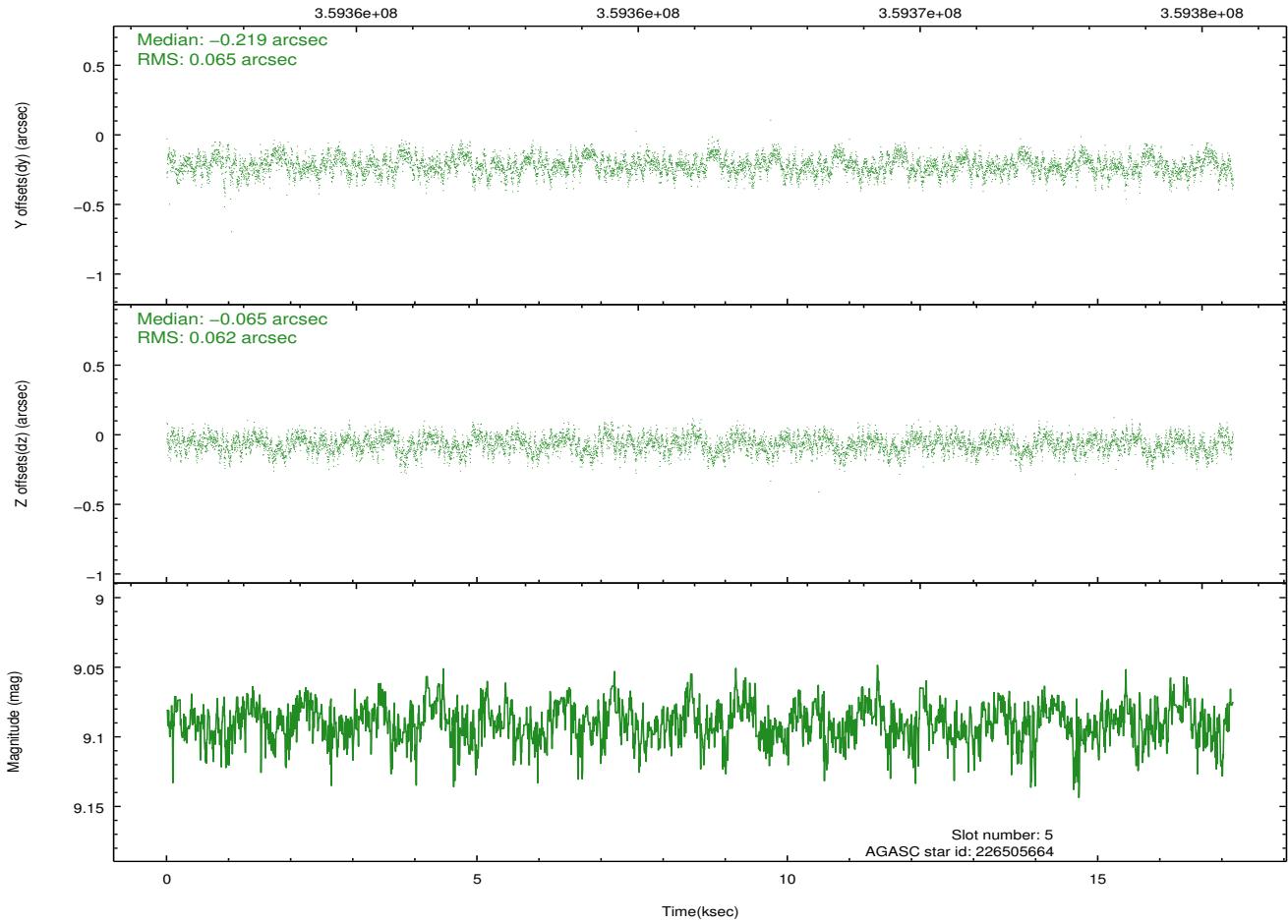
2.4.2 Slot 4



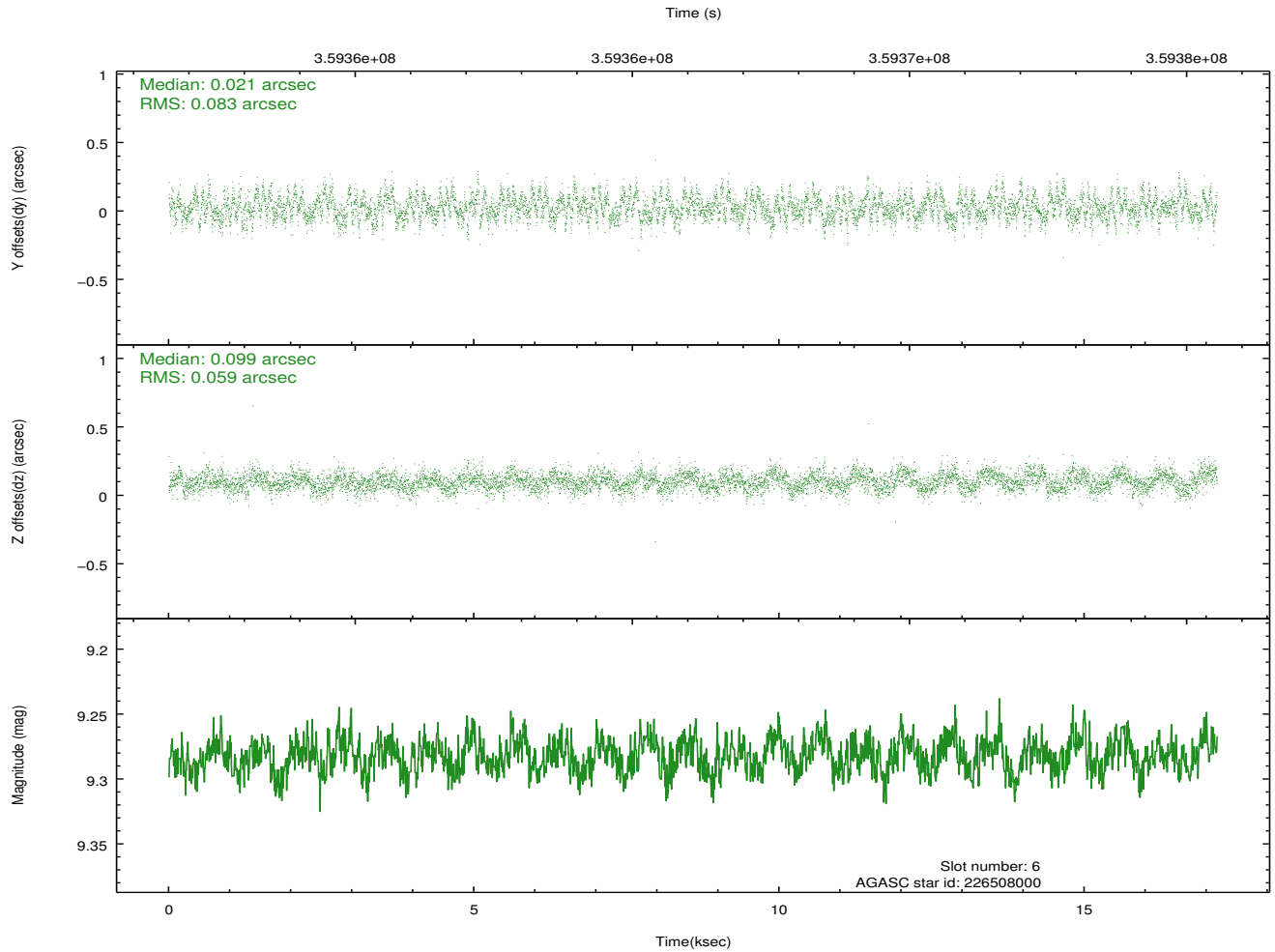
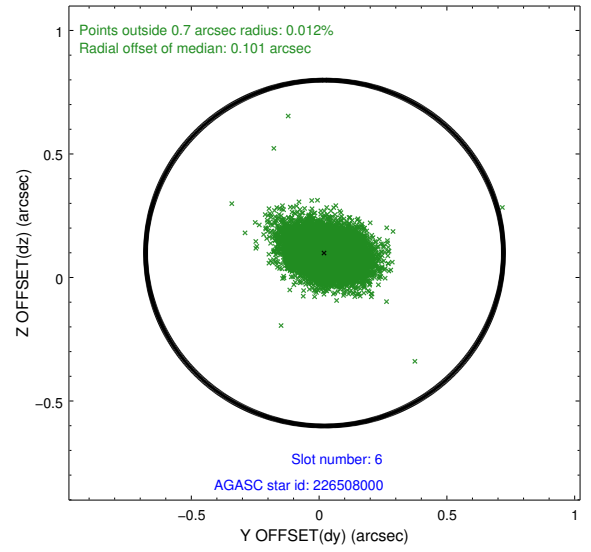
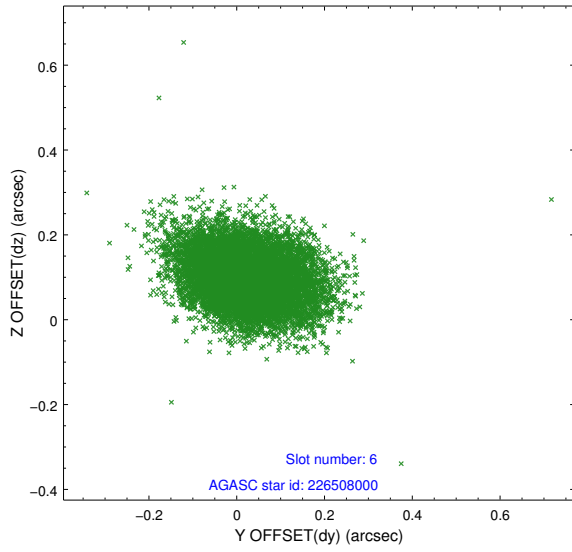
2.4.3 Slot 5



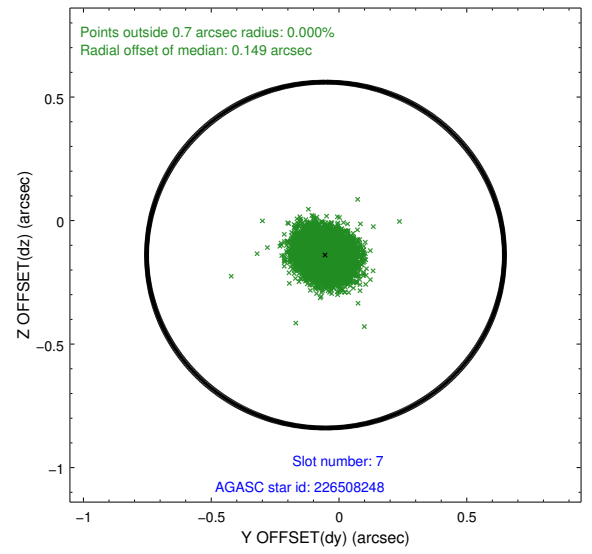
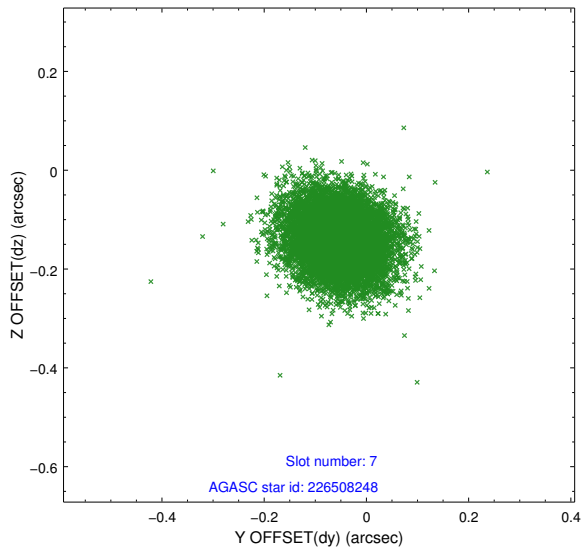
Time (s)



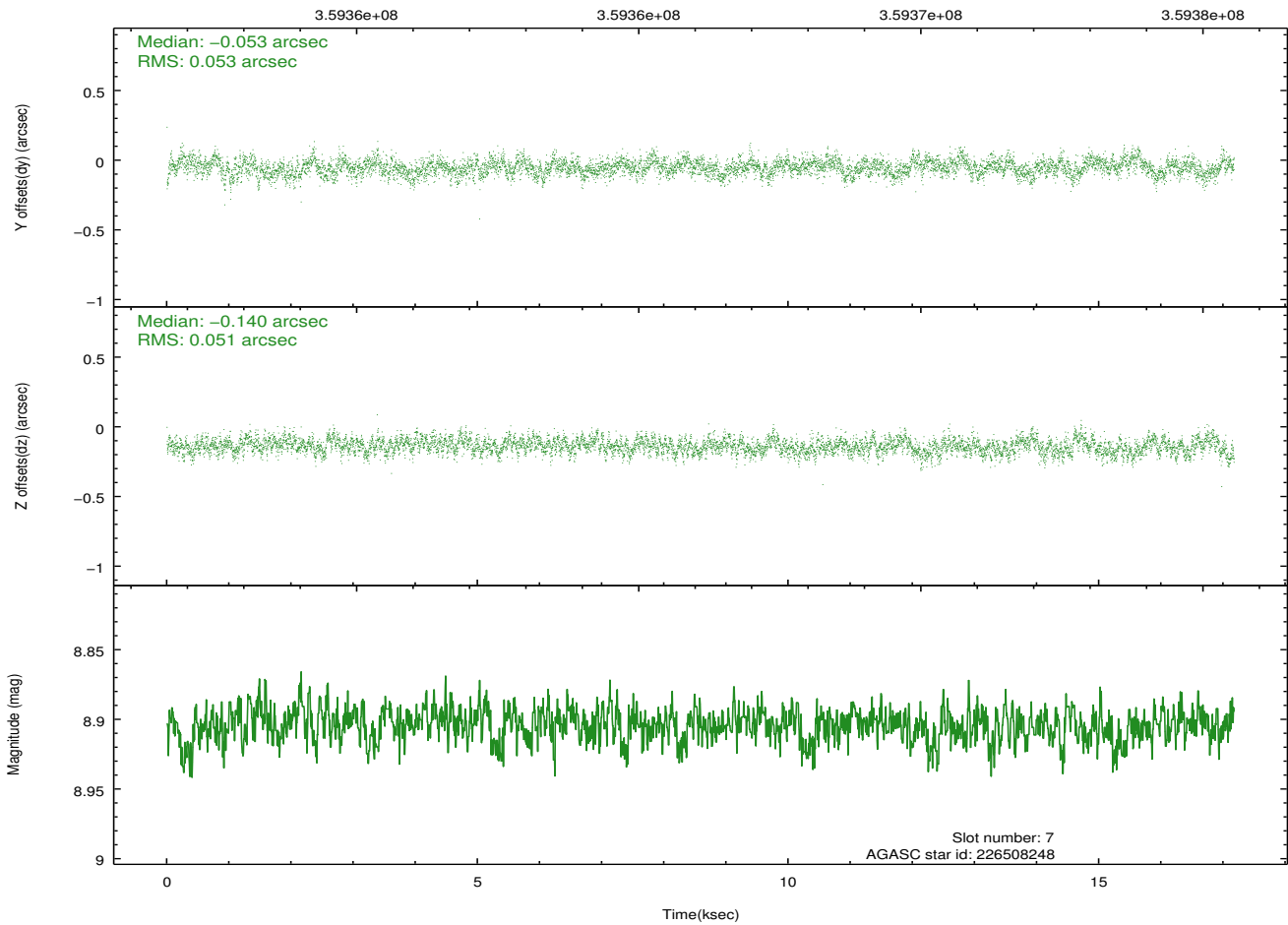
2.4.4 Slot 6



2.4.5 Slot 7

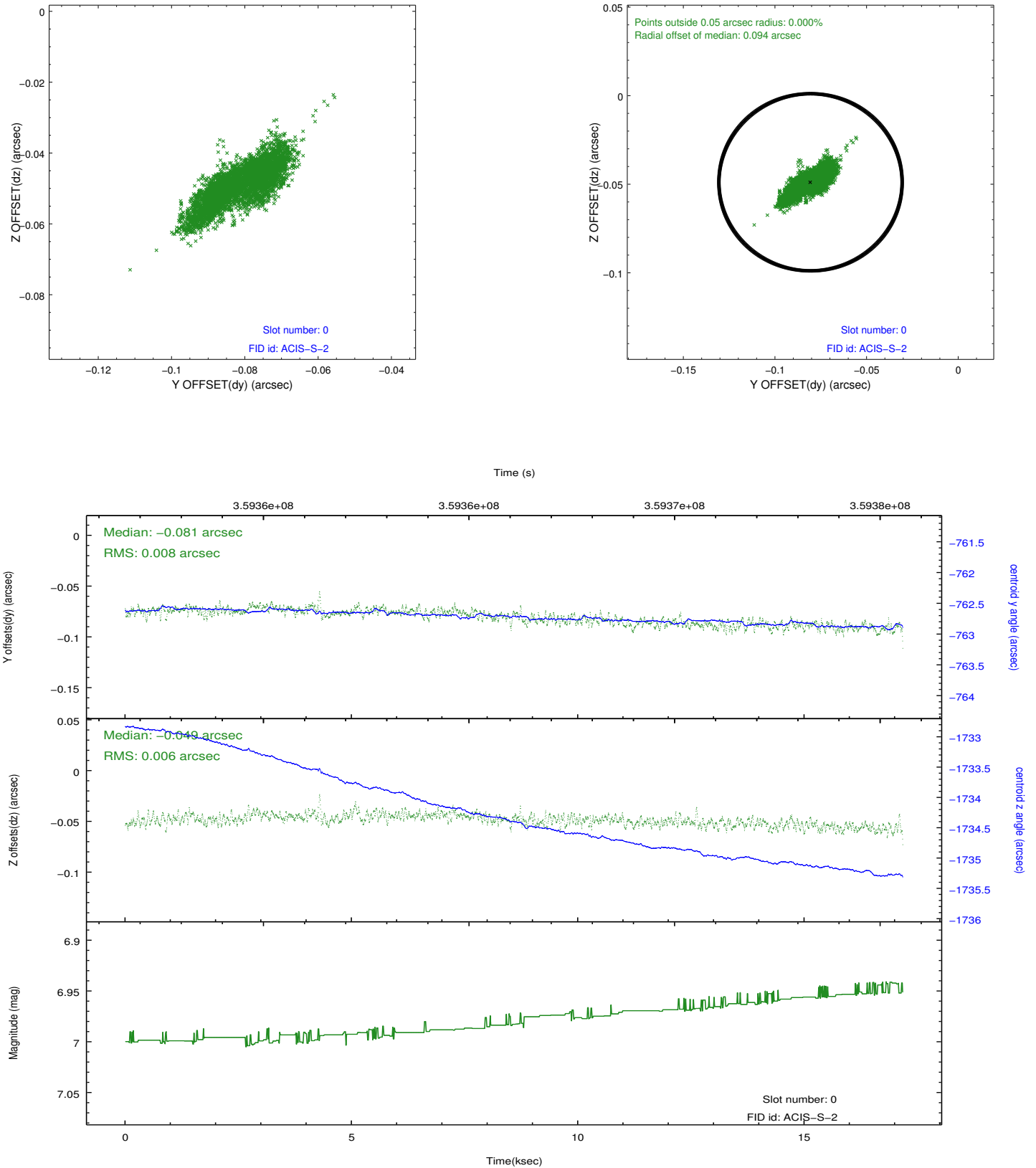


Time (s)

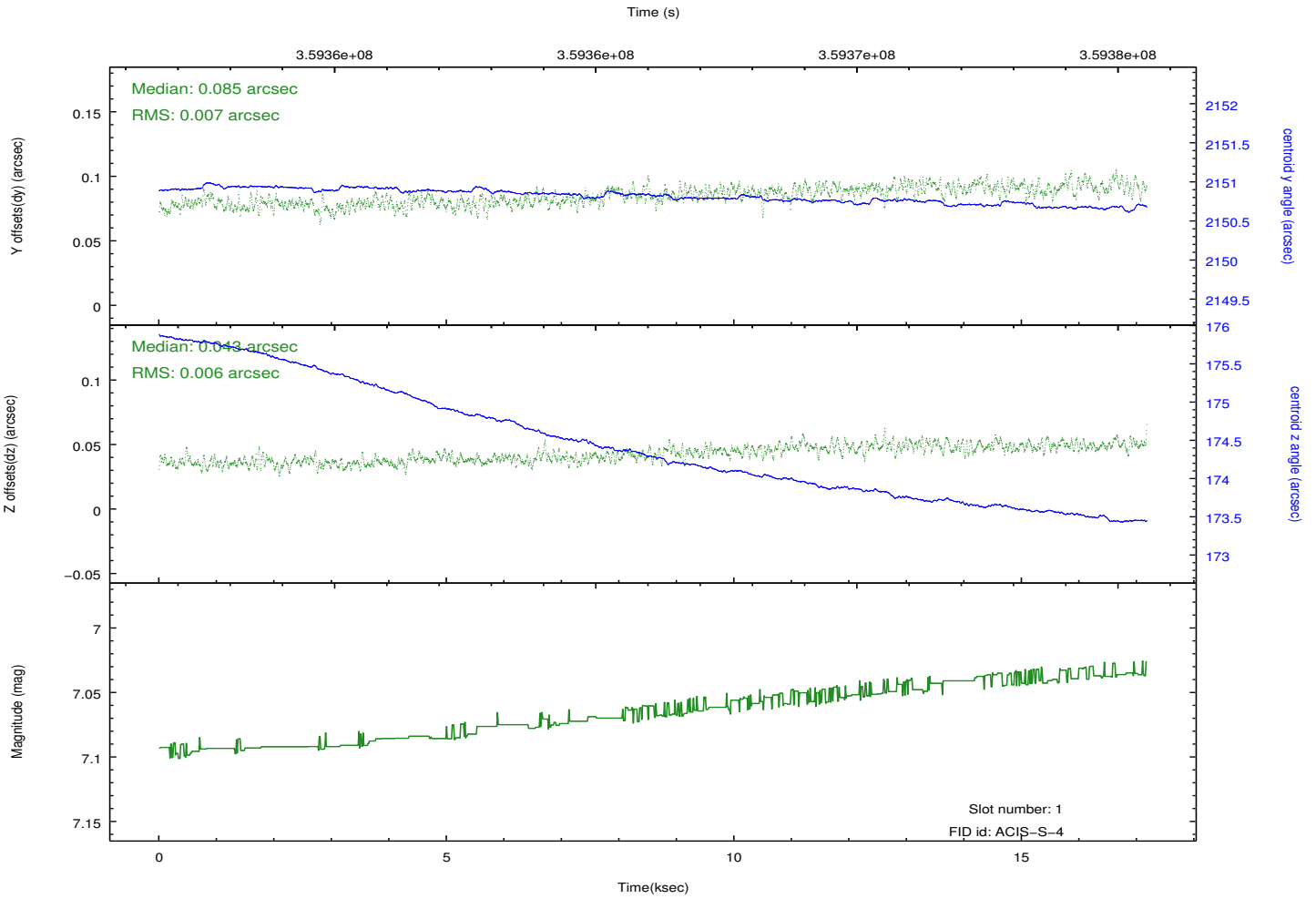
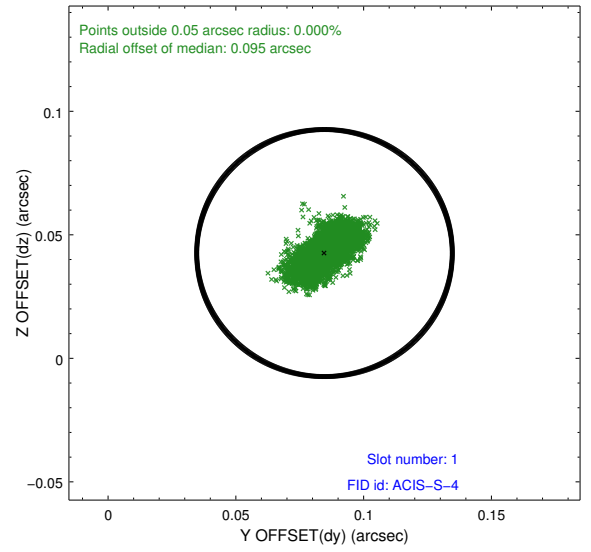
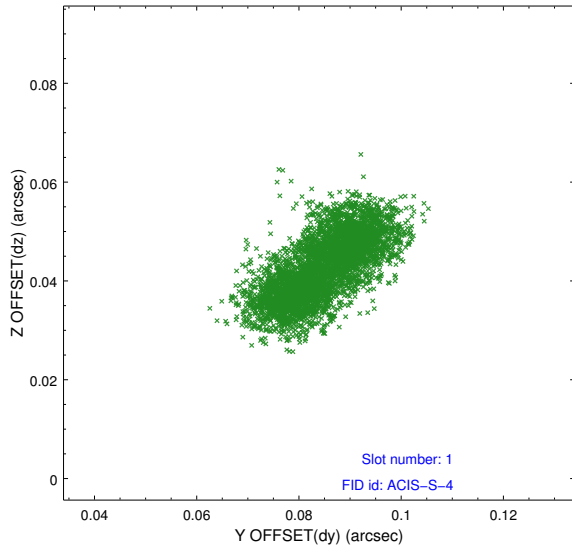


2.5 FID Slots

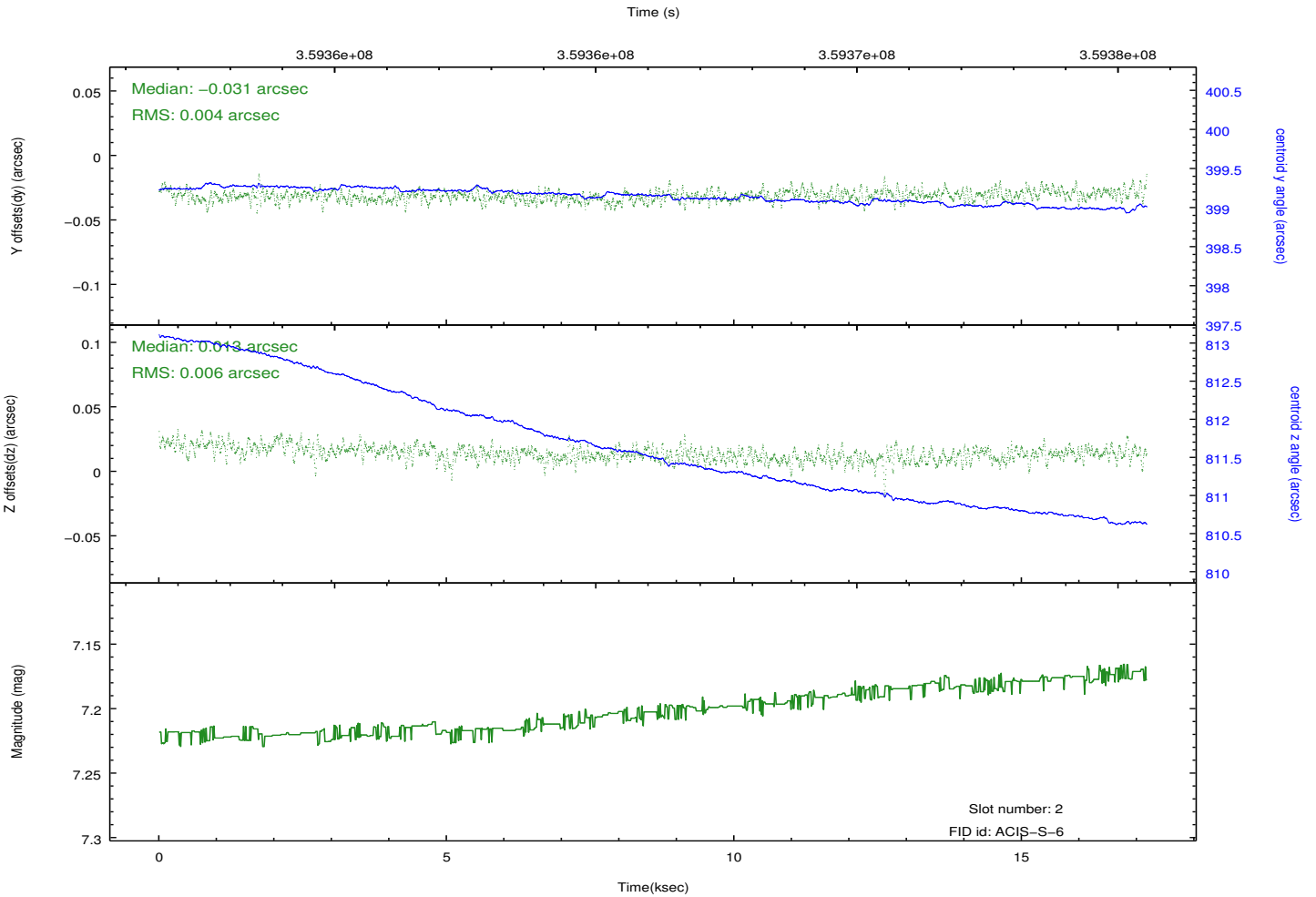
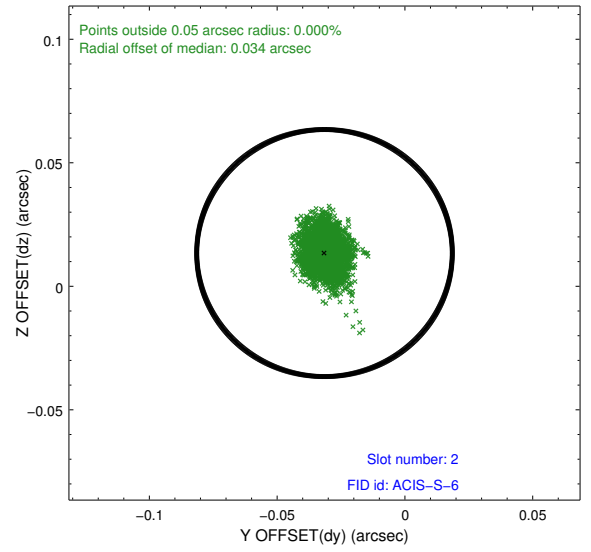
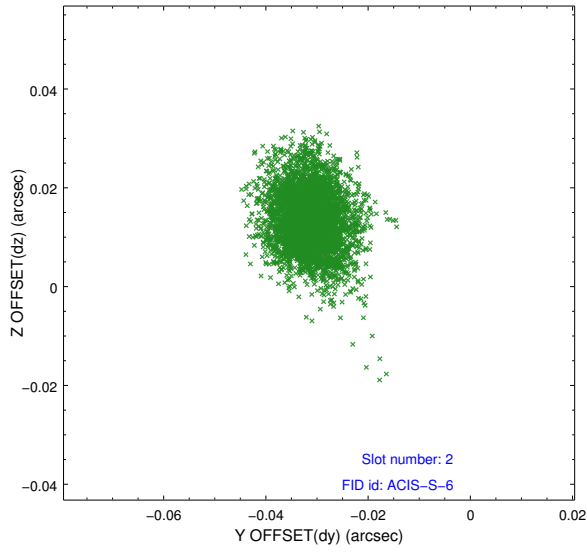
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.172

A.2 Comments