

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 867 - L2 Version 4  
Chandra X-Ray Center

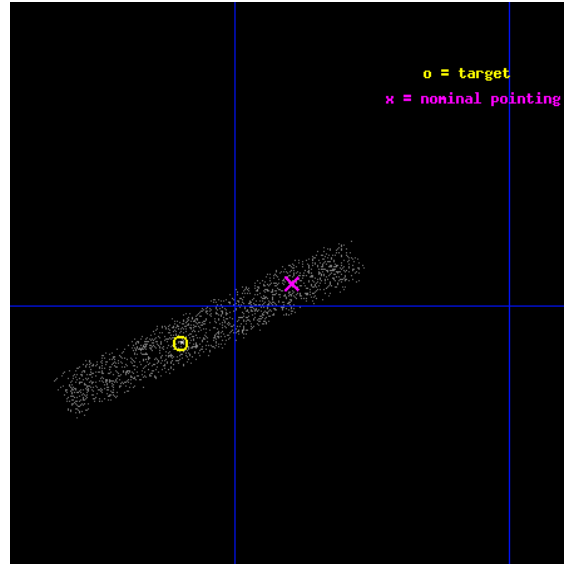
L2 Processing Date : Aug 25 2012

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# 1 Front

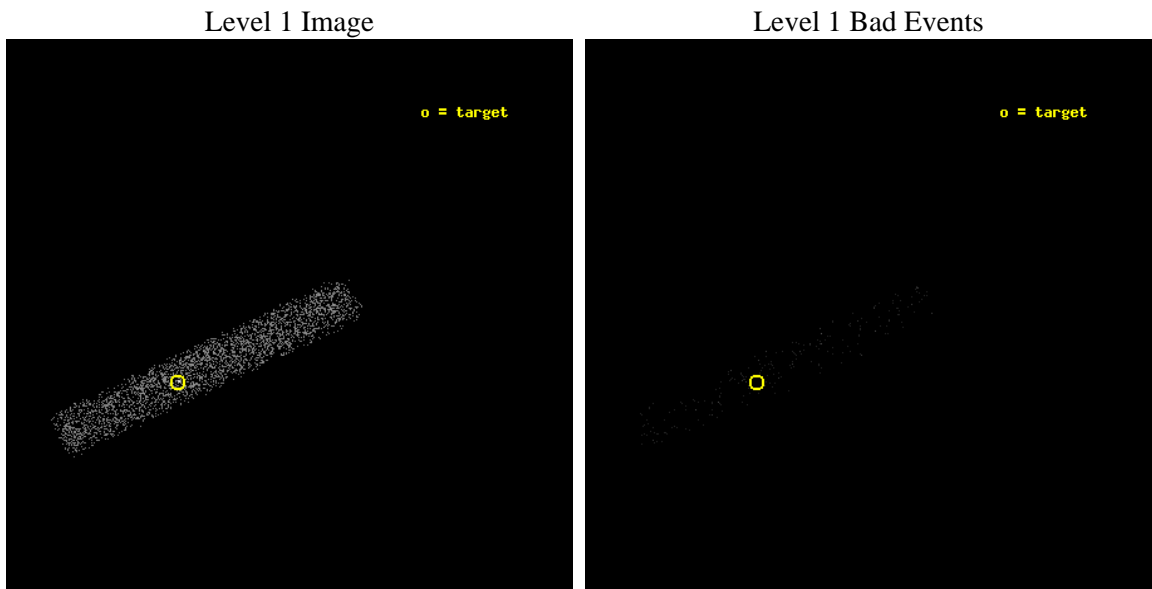
seq_num	700172	Sequence number
obs_id	867	Observation id
title	X-RAY ABSORPTION IN MODERATE REDSHIFT DAMPED LYMAN ALPHA GALAXIES	&#160
observer	Dr. Jill Bechtold	Principal investigator
object	Q1331+170	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.399583	Observer's specified target RA [deg]
dec_targ	16.817611	Observer's specified target Dec [deg]
ra_nom	203.34903850805	Nominal RA [deg]
dec_nom	16.842920215083	Nominal Dec [deg]
roll_nom	154.45750176721	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3317.863732338	Sum of GTIs [s]
livetime	3009.1272740232	Livetime [s]
ontime7	3317.863732338	Sum of GTIs [s]
l2events	1904	Number of level 2 events



## 2 OBI

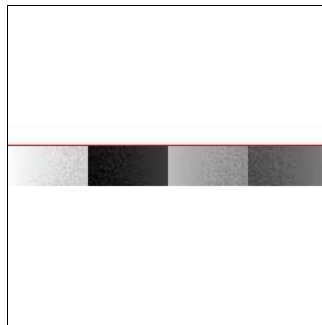
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3317.863732338	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	3317.863732338	Sum of GTIs [s]
date	2012-08-25T02:52:54	Date and time of file creation	l1events	4753	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

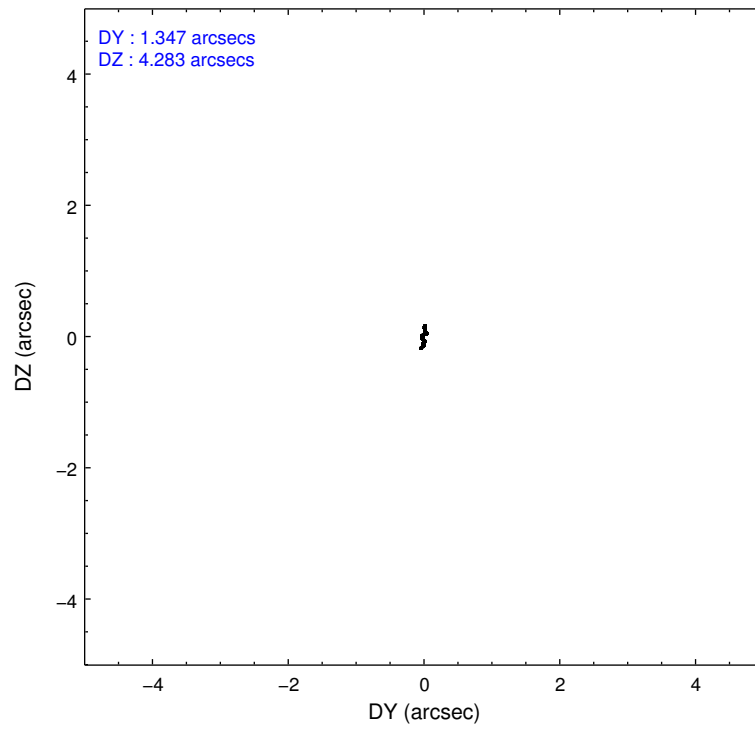
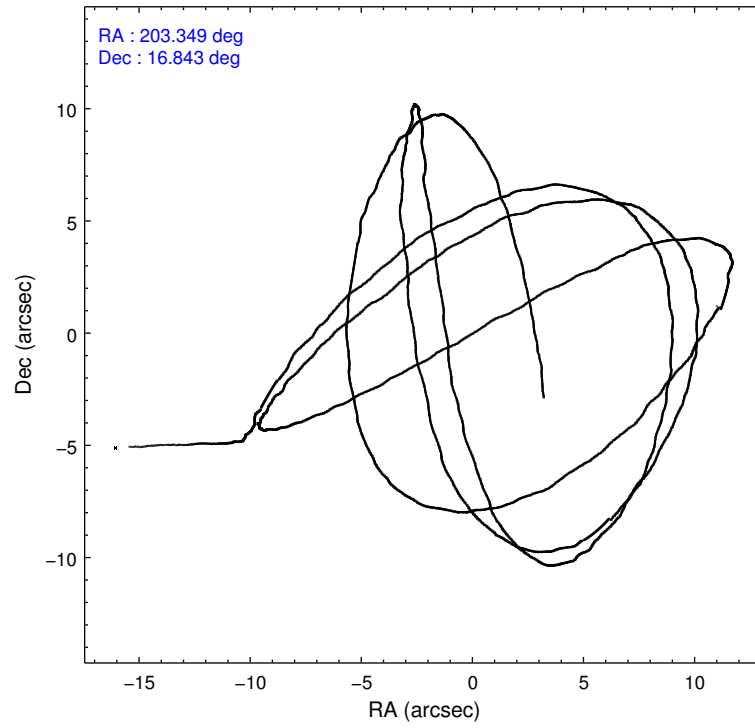
	<b>ccd 7</b>
level 1 events	4753
rejected events	2762
rejected %	58%

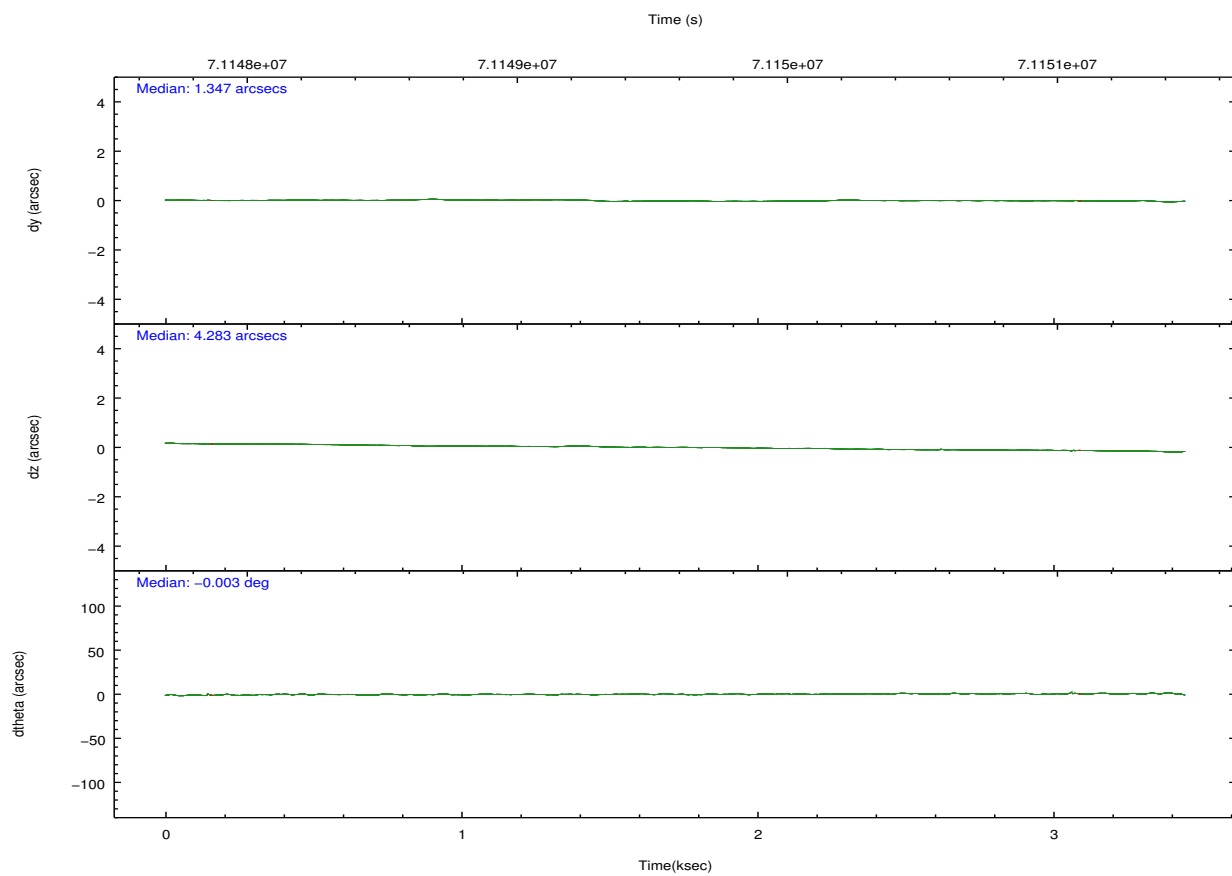
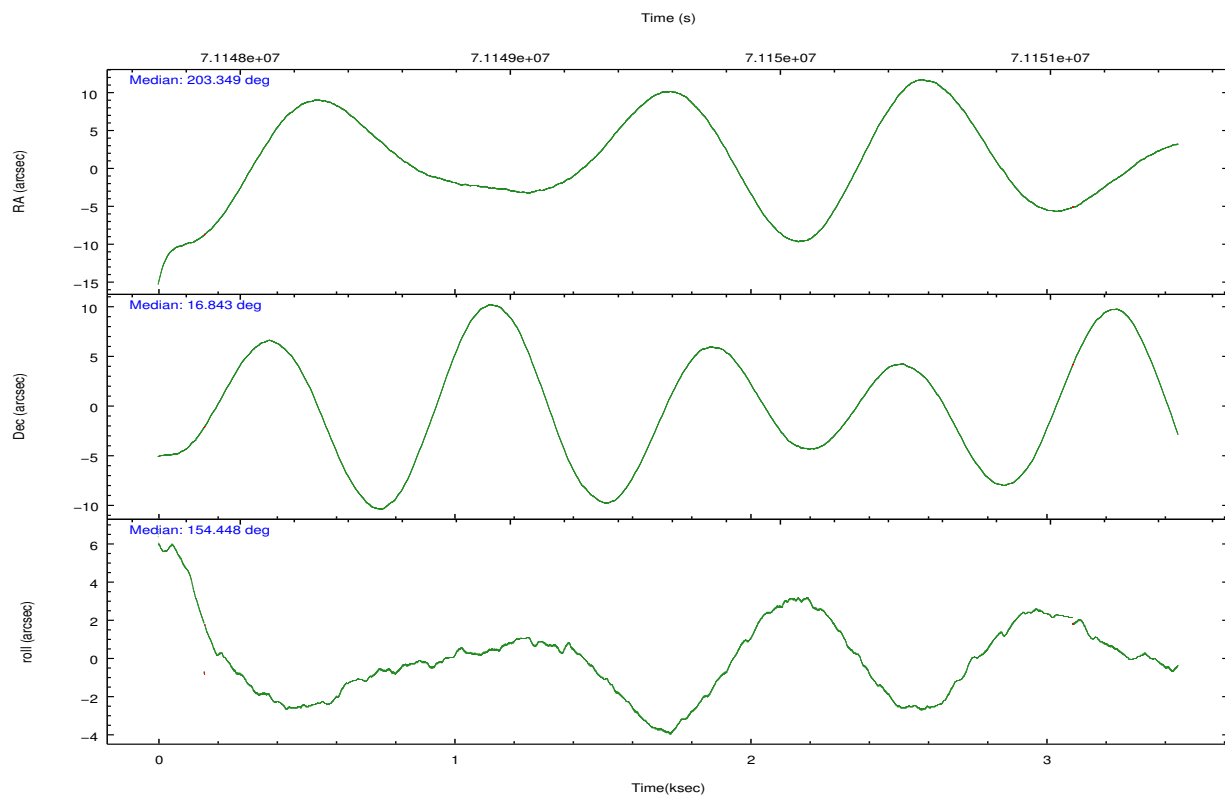
	<b>ccd 7</b>
grade 0 events	360
	7%
grade 1 events	4
	0%
grade 2 events	473
	9%
grade 3 events	348
	7%
grade 4 events	314
	6%
grade 5 events	401
	8%
grade 6 events	932
	19%
grade 7 events	1921
	40%

## 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	203.377815	203.3490385080512	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	16.845038	16.84292021508302	Subarray start row	449	449
[deg] Pointing Roll	154.290149	154.4575017672126	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	71148221.184000	71147013.34609701			
Observation start date	2000-04-03T11:22:37	2000-04-03T11:03:33			
[s] Observation end time (MET)	71151221.184000	71151973.83377901			
Observation end date	2000-04-03T12:12:37	2000-04-03T12:26:13			
Read mode	TIMED	TIMED			

## 2.3 Aspect



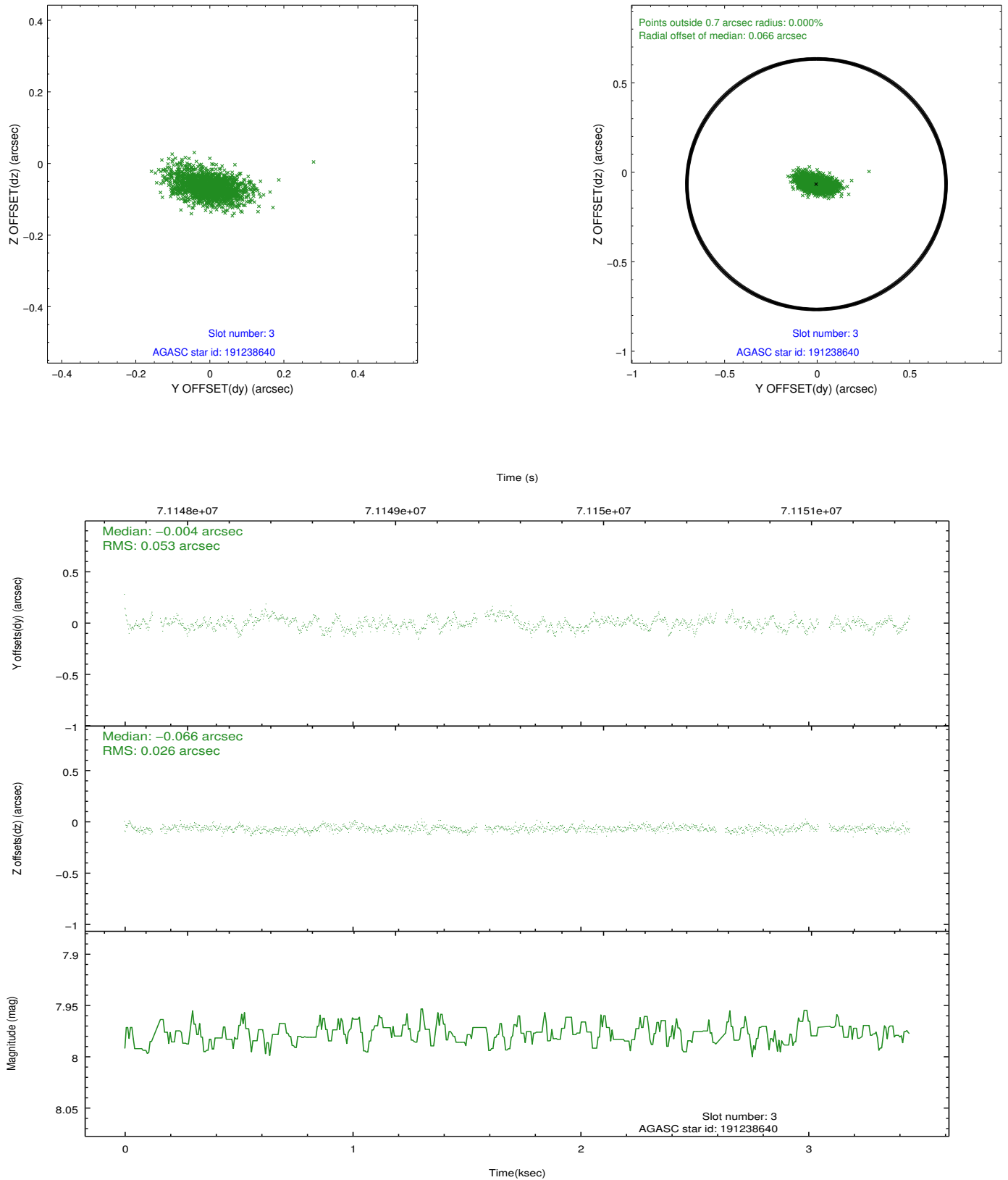


Slot Statistics

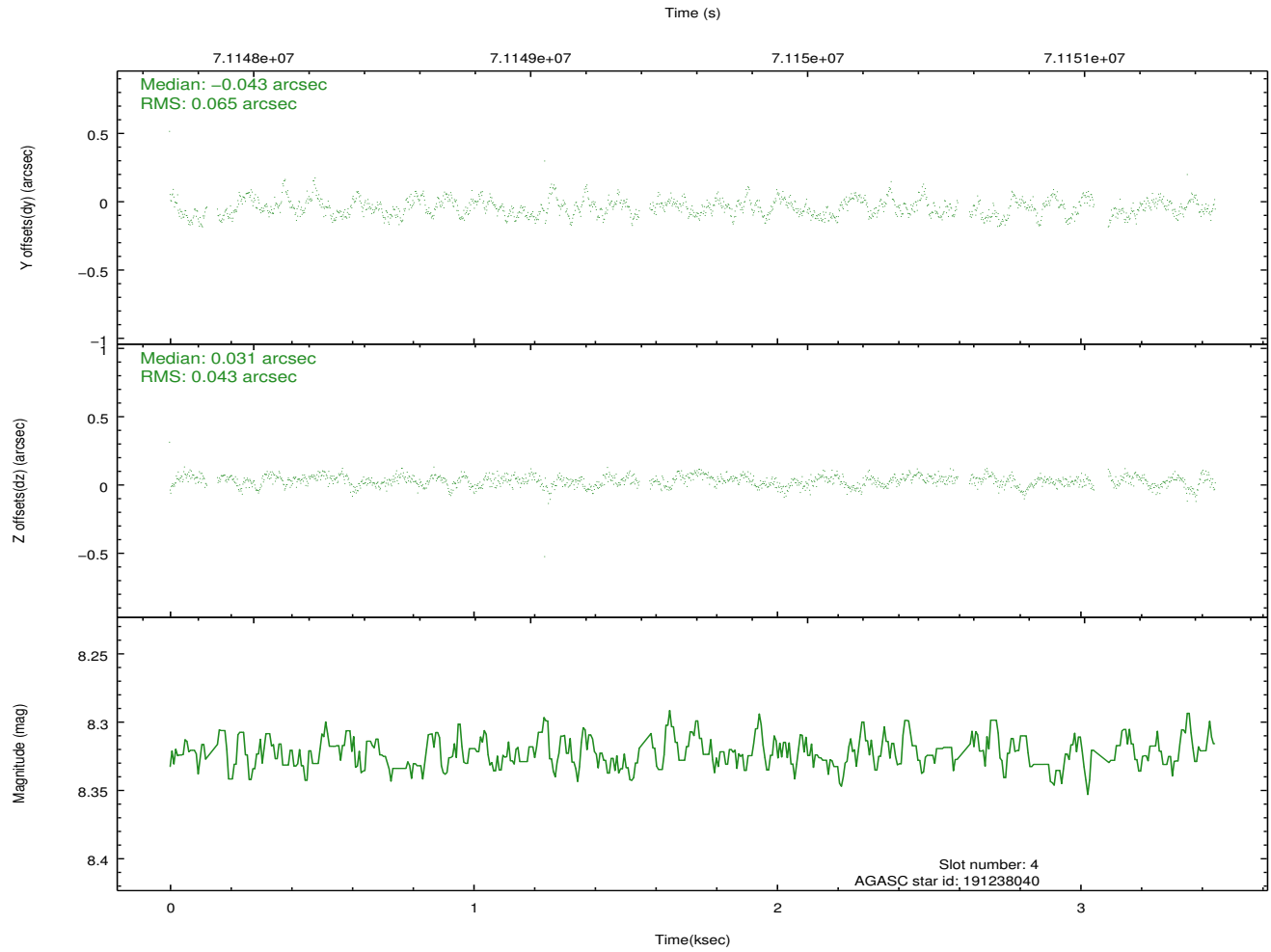
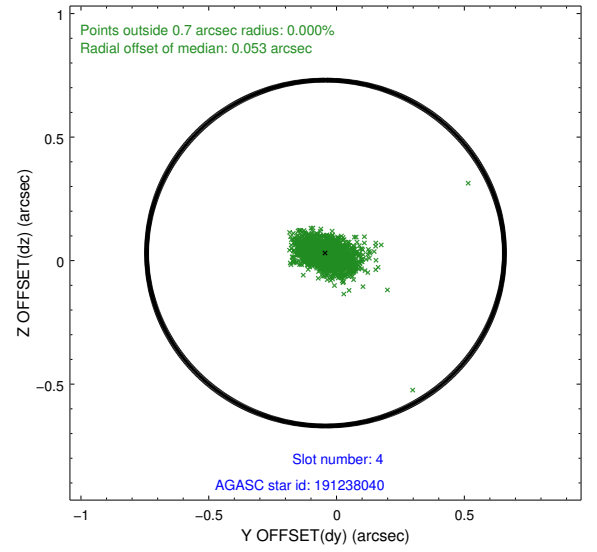
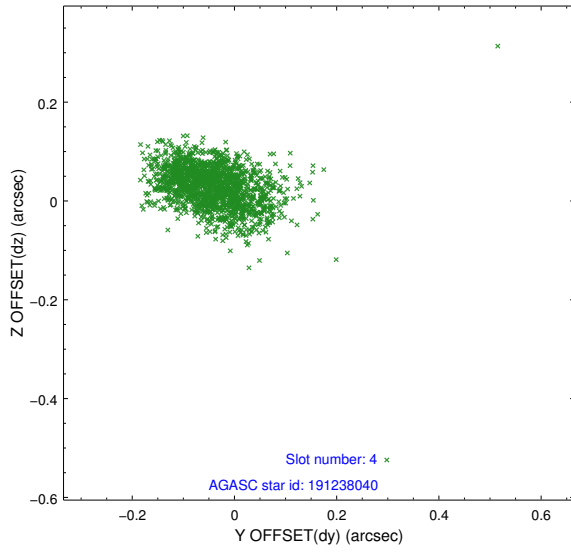
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	809	-0.015	-0.010	0.008	0.011	0.000000	0.000000	-753.98	-1725.32
1	FID	ACIS-S-4	7.21	809	-0.008	0.010	0.006	0.010	0.000000	0.000000	2158.47	181.17
2	FID	ACIS-S-5	7.23	809	-0.008	0.009	0.007	0.011	0.000000	0.000000	-1804.32	177.08
3	GUIDE	191238640	7.98	1610	-0.004	-0.066	0.061	0.109	203.458113	16.273027	-1144.45	1734.46
4	GUIDE	191238040	8.32	1610	-0.043	0.031	0.078	0.131	203.459279	17.425107	652.44	-2002.09
5	GUIDE	191237216	8.99	1607	-0.008	0.034	0.085	0.135	203.490268	17.468053	624.90	-2189.87
6	GUIDE	191103496	9.55	1606	-0.031	0.022	0.099	0.155	202.613087	16.725488	2190.38	1525.62
7	GUIDE	191234608	9.38	1604	0.079	-0.016	0.096	0.157	203.424457	16.352675	-913.74	1527.65

## 2.4 Star Slots

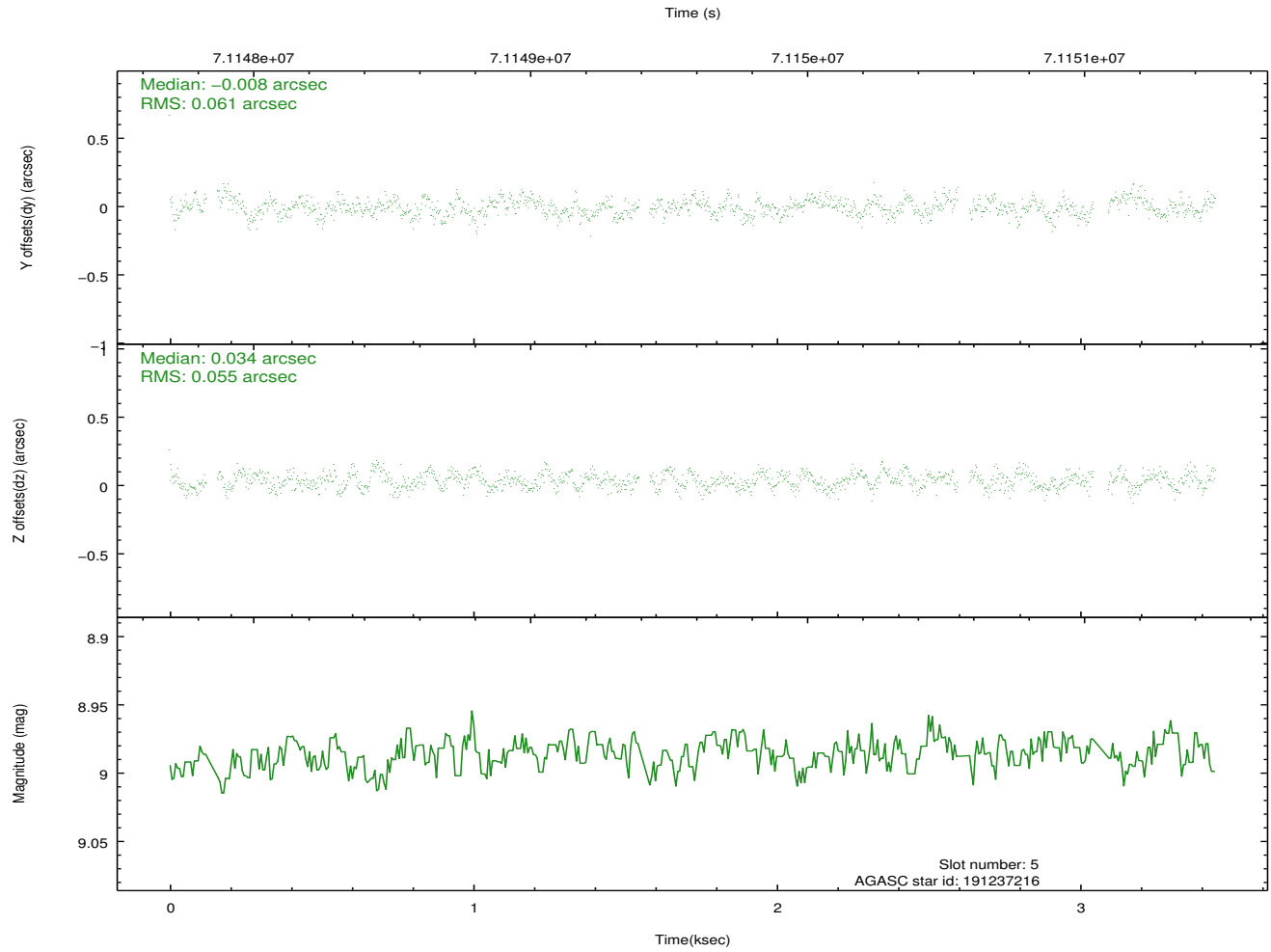
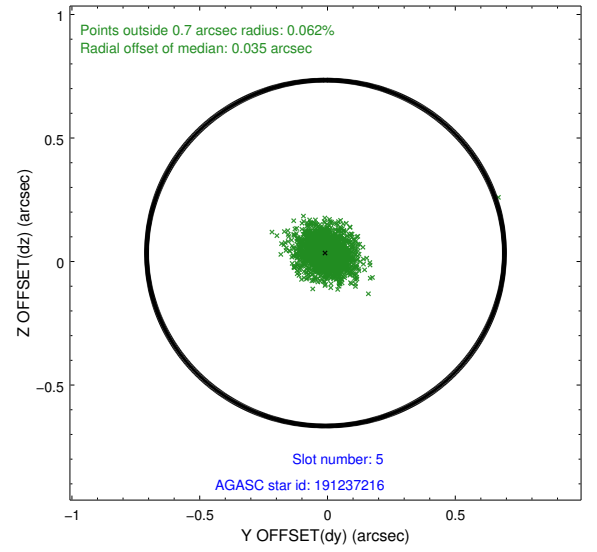
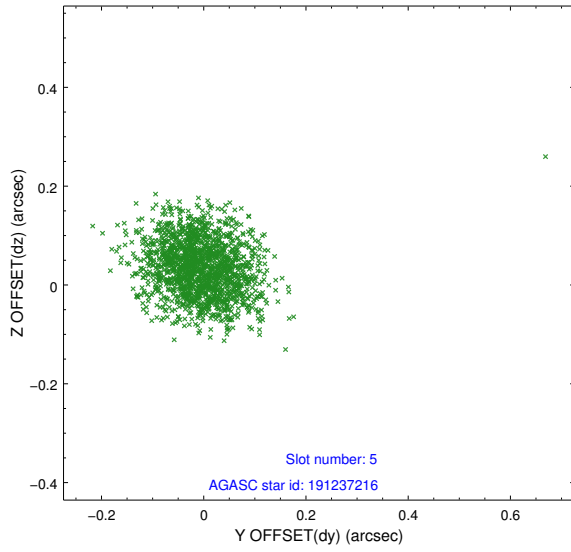
### 2.4.1 Slot 3



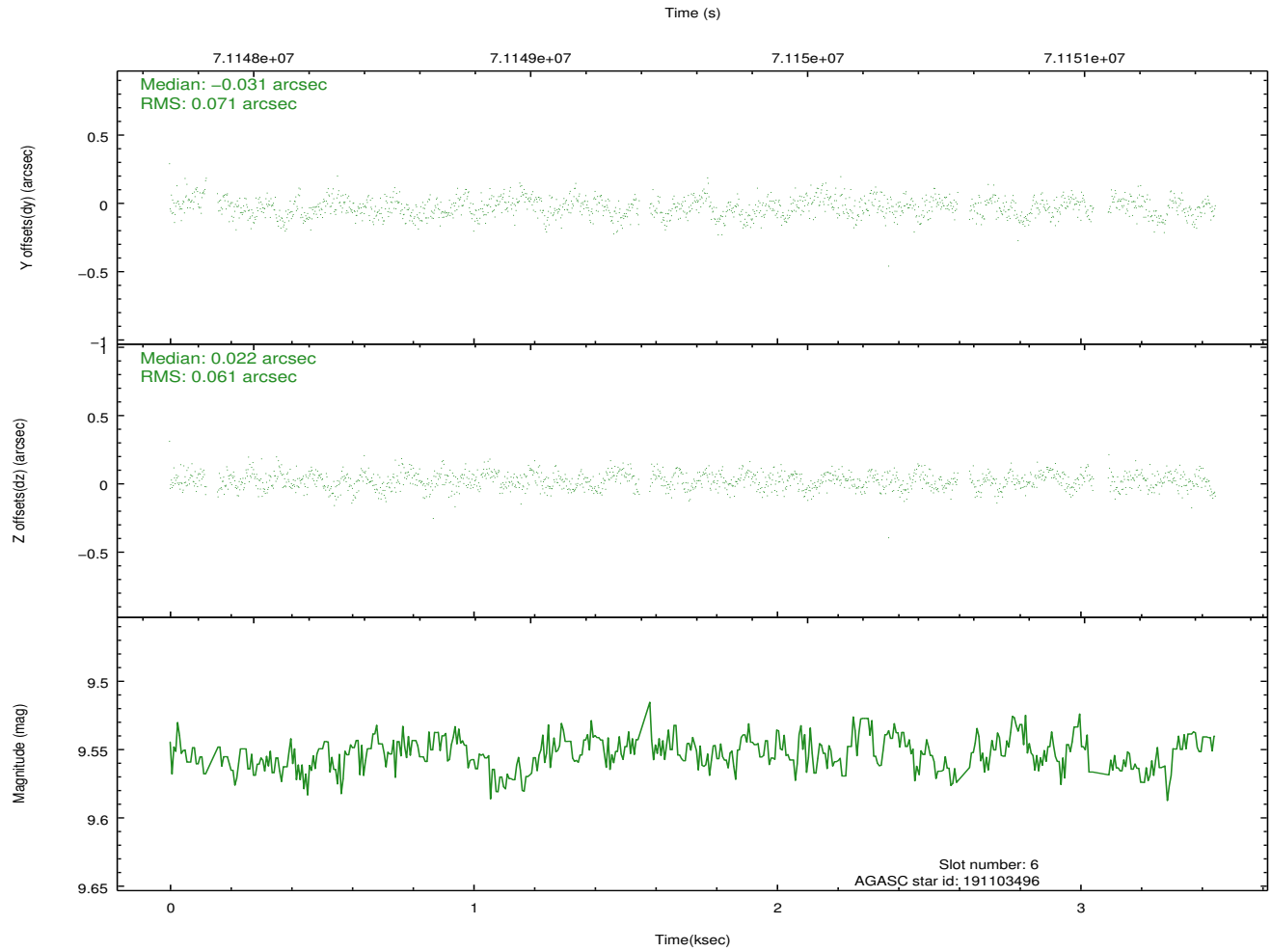
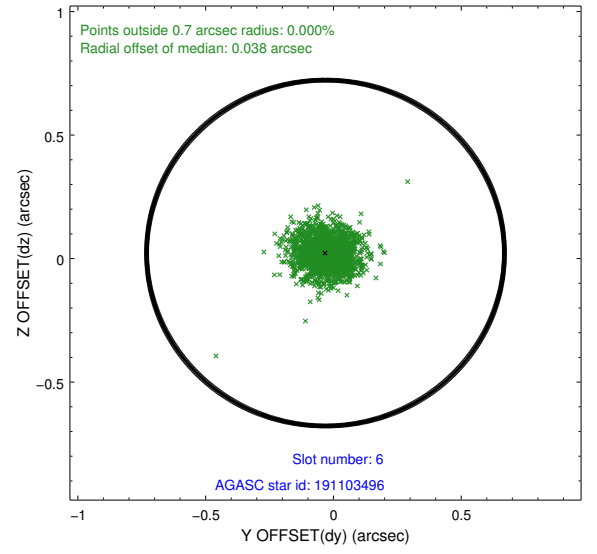
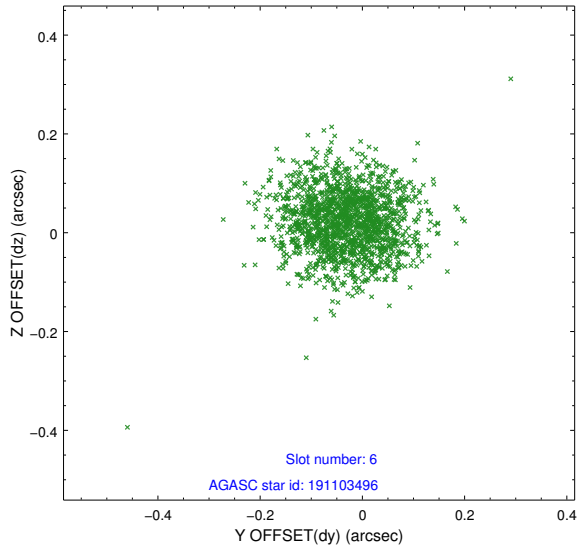
## 2.4.2 Slot 4



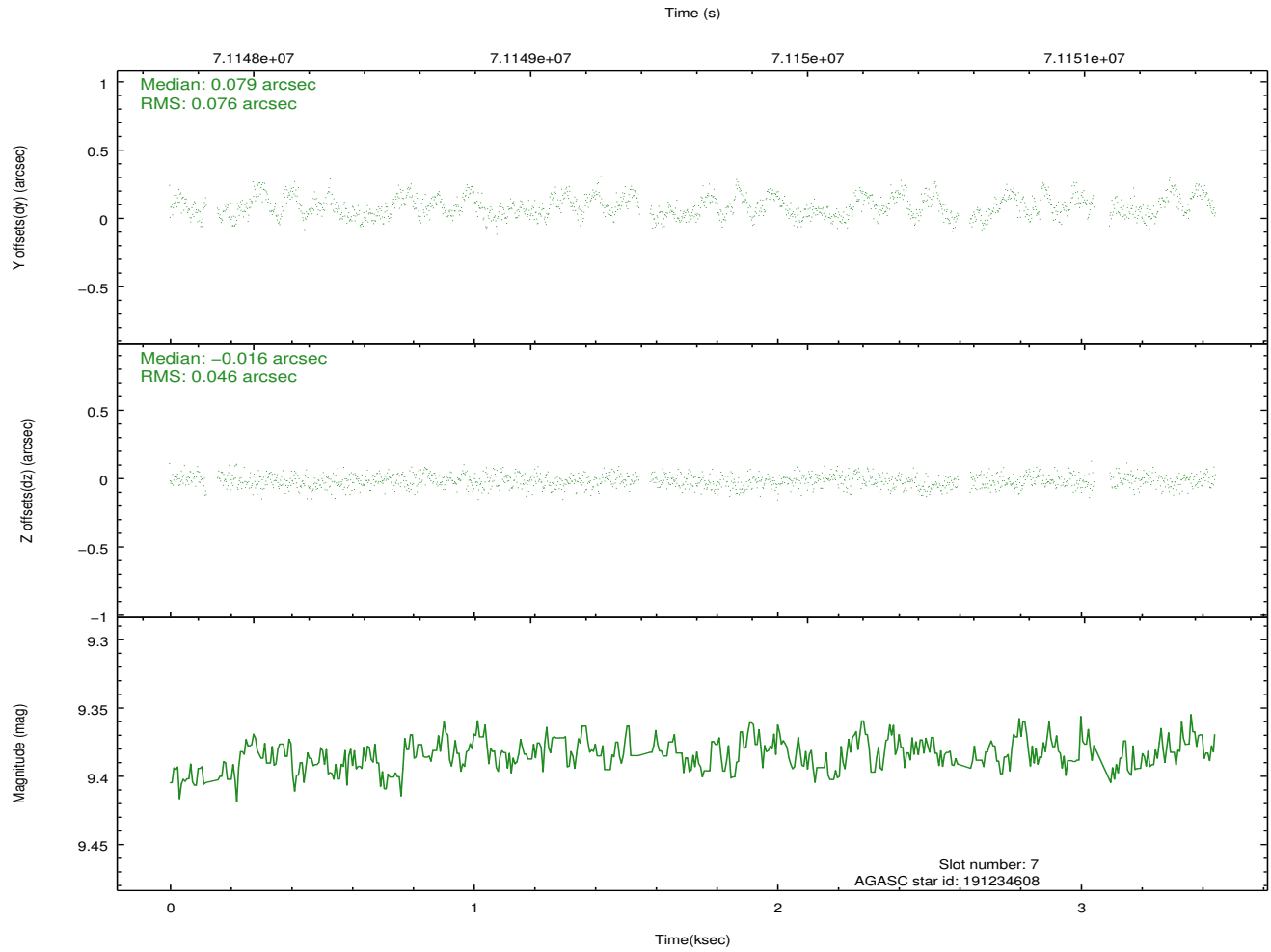
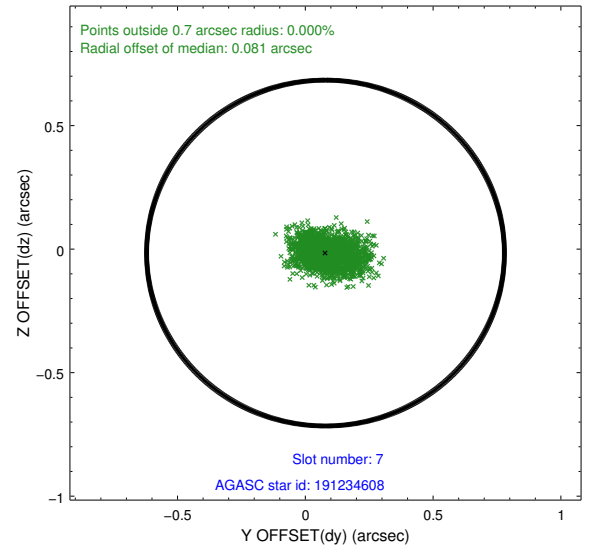
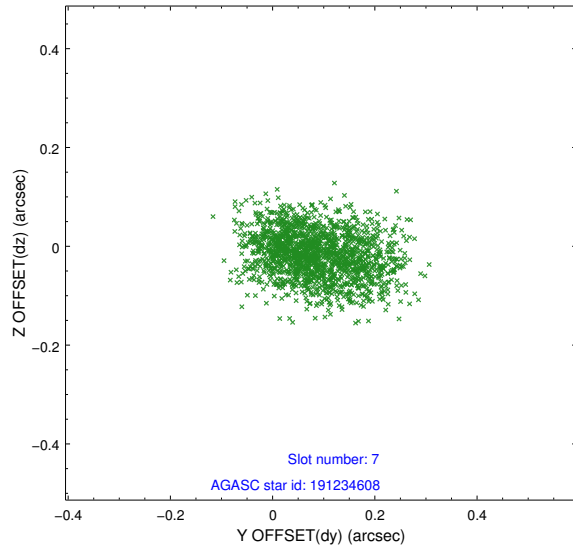
### 2.4.3 Slot 5



## 2.4.4 Slot 6

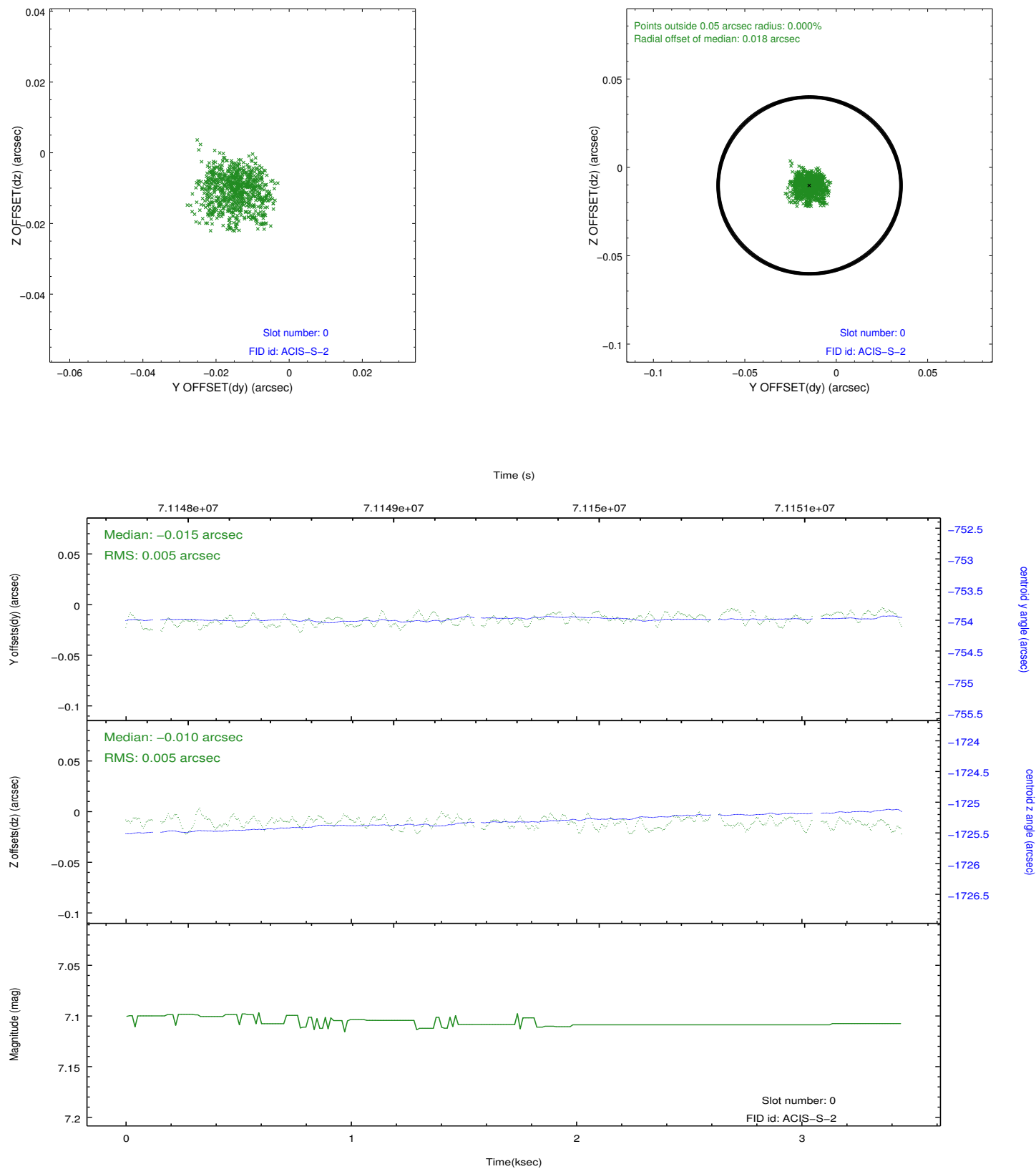


## 2.4.5 Slot 7

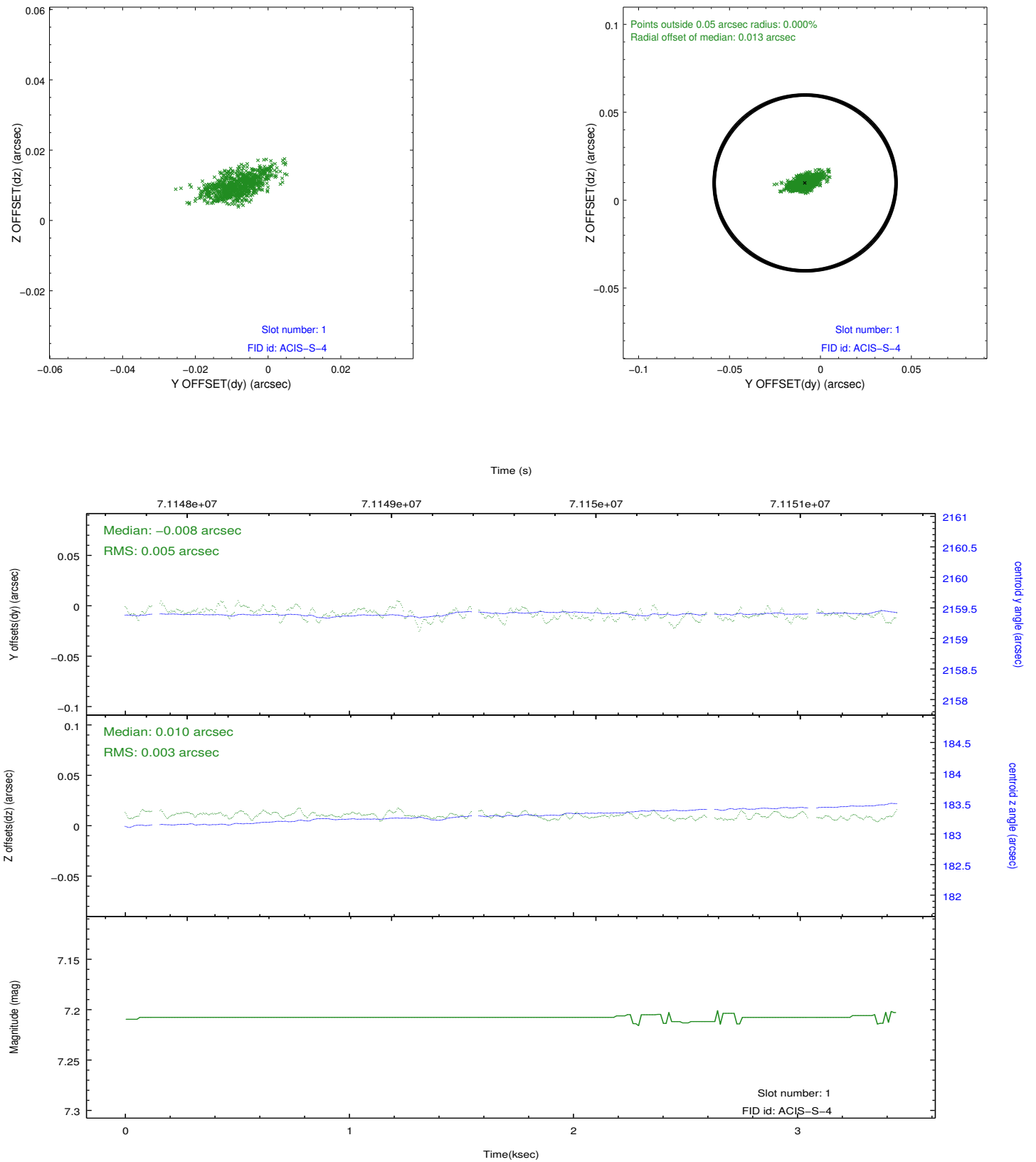


## 2.5 FID Slots

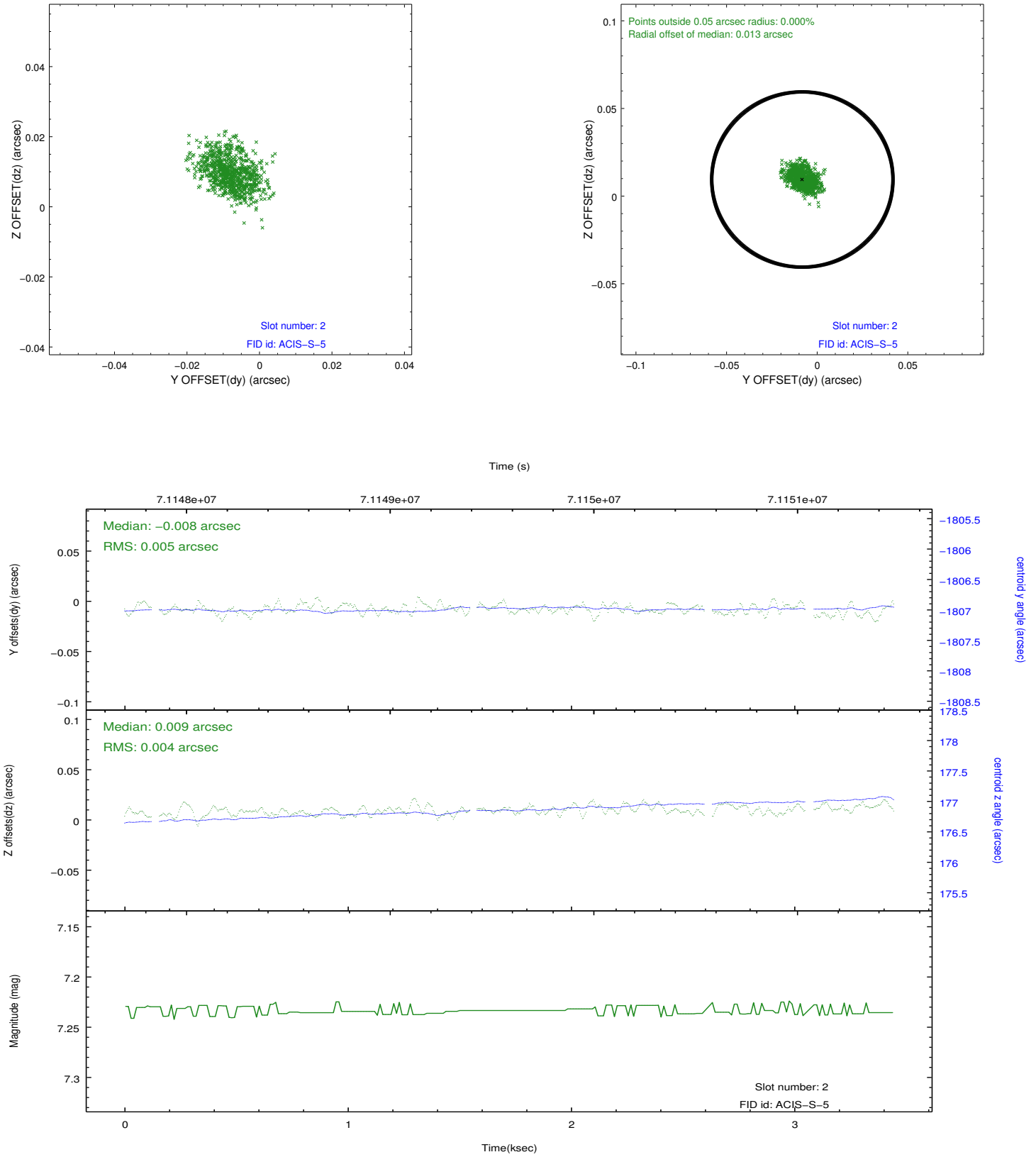
### 2.5.1 Slot 0



## 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)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.329

## A.2 Comments

Charge time for this ObsId remains at previous value of 3.329 ks although with the current processing the charge time would have been 3.318 ksec.