

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3879 - L2 Version 3  
Chandra X-Ray Center

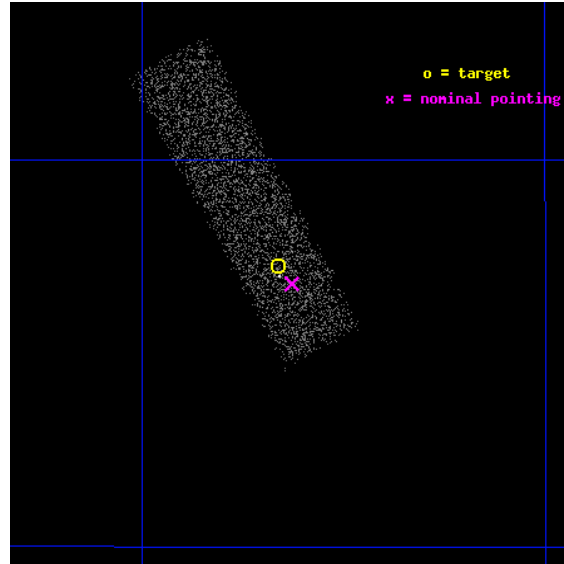
L2 Processing Date : Oct 20 2012

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# 1 Front

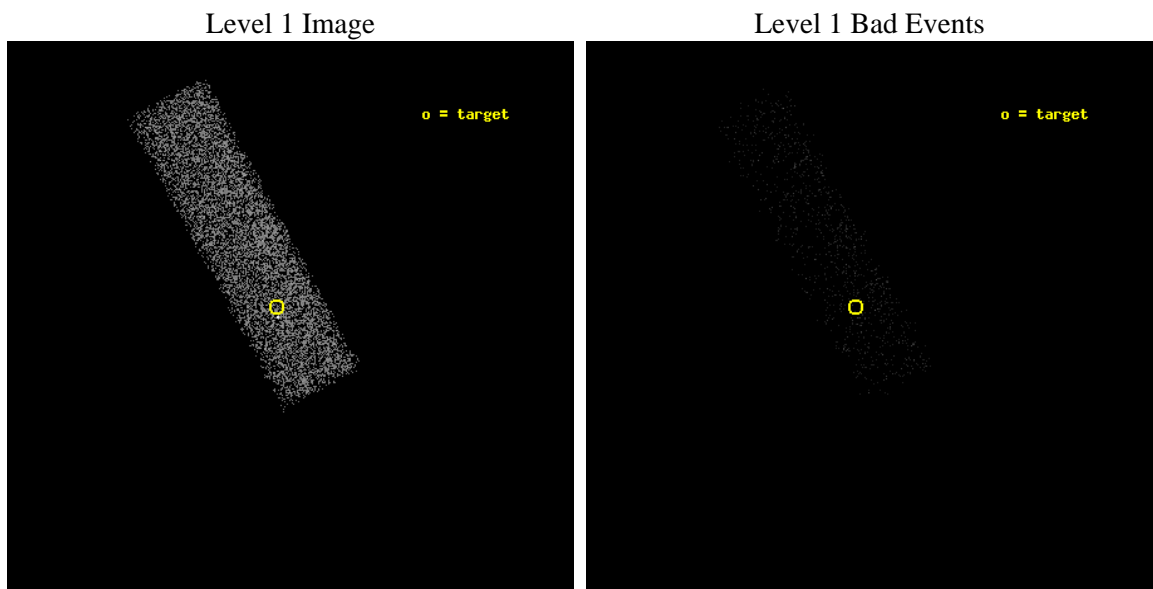
seq_num	500358	Sequence number
obs_id	3879	Observation id
title	COMPLETING THE CENSUS OF COMPACT OBJECTS IN SUPERNOVA REMNANTS	Pro
observer	Prof. David Kaplan	Principal investigator
object	RX J050339.8+451715	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	75.915833	Observer's specified target RA [deg]
dec_targ	45.2875	Observer's specified target Dec [deg]
ra_nom	75.907236877255	Nominal RA [deg]
dec_nom	45.279866713783	Nominal Dec [deg]
roll_nom	241.41844755253	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5371.9590400755	Sum of GTIs [s]
livetime	5109.8250167179	Livetime [s]
ontime7	5371.9590400755	Sum of GTIs [s]
l2events	5085	Number of level 2 events



## 2 OBI

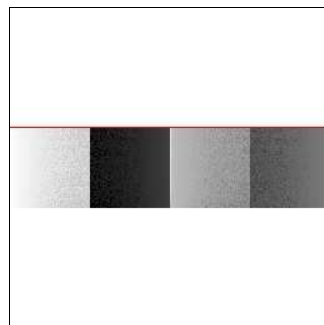
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5371.9590400755	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	5371.9590400755	Sum of GTIs [s]
date	2012-10-20T16:48:05	Date and time of file creation	l1events	12535	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	12535
rejected events	7269
rejected %	57%

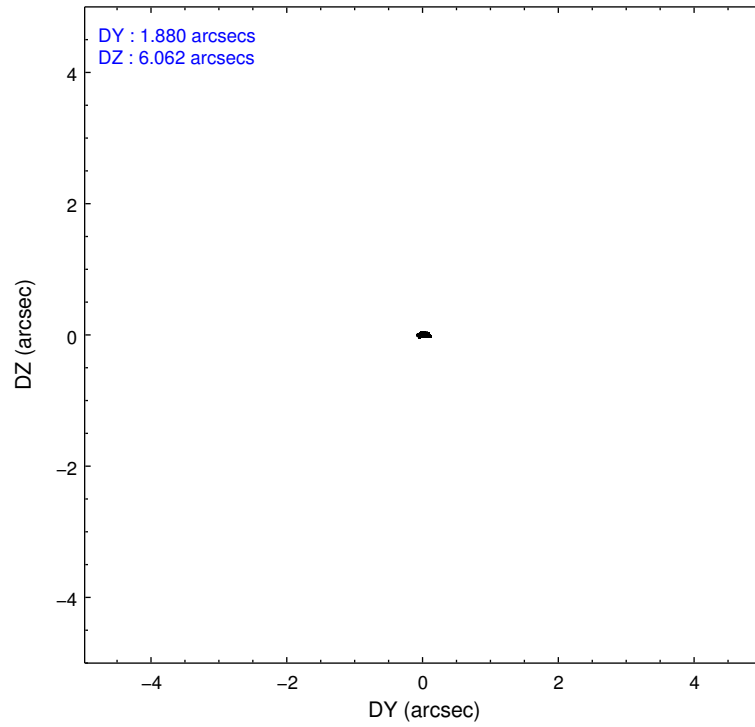
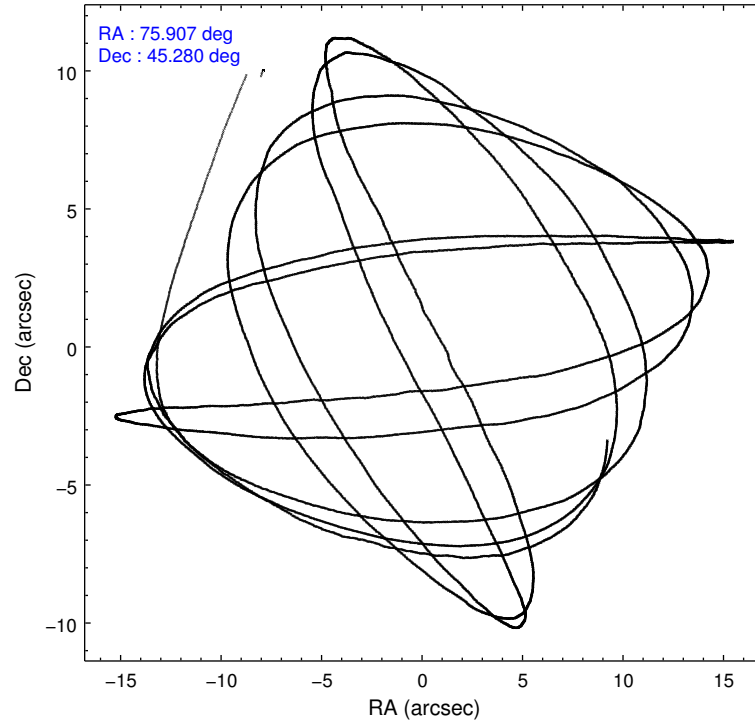
	<b>ccd 7</b>
grade 0 events	585
	4%
grade 1 events	15
	0%
grade 2 events	1137
	9%
grade 3 events	667
	5%
grade 4 events	679
	5%
grade 5 events	1186
	9%
grade 6 events	2650
	21%
grade 7 events	5616
	44%

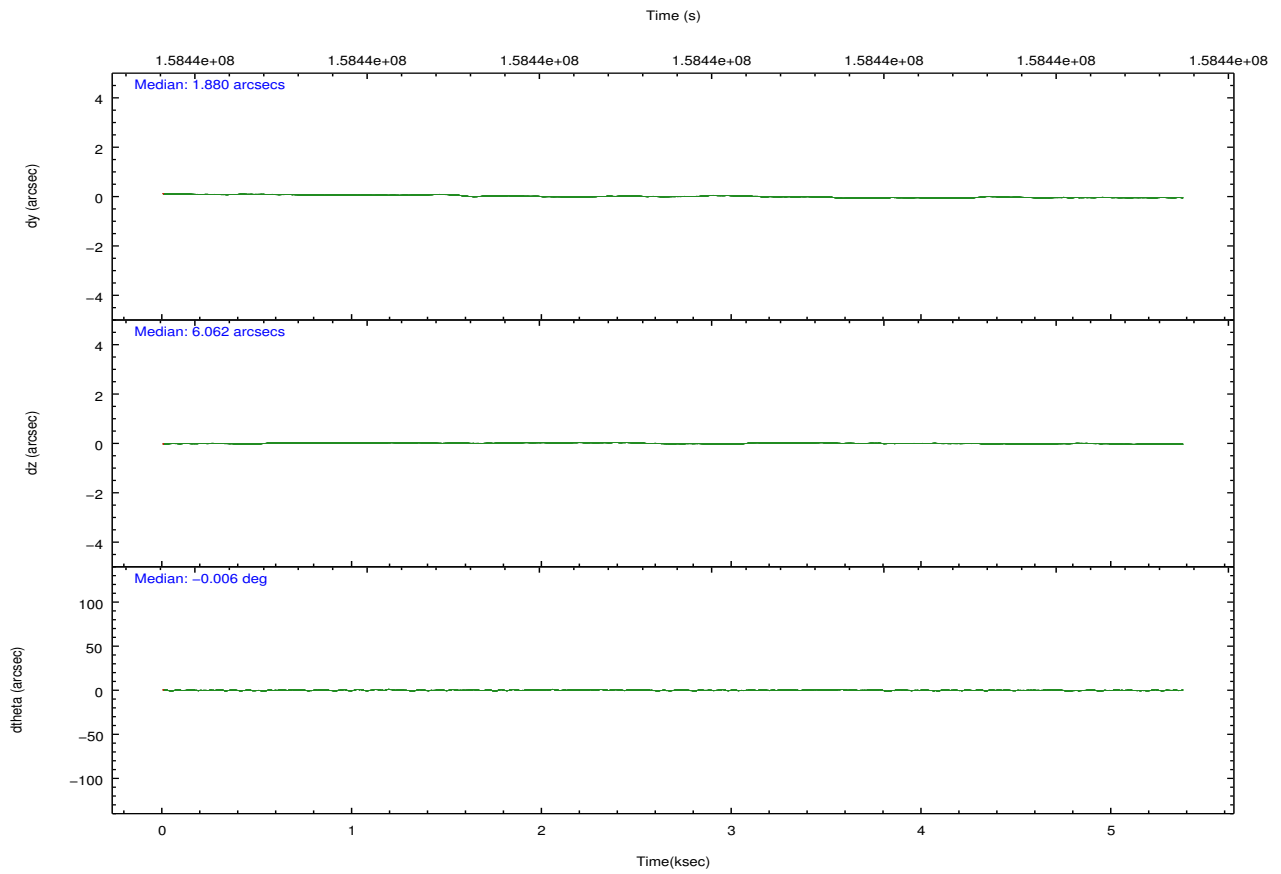
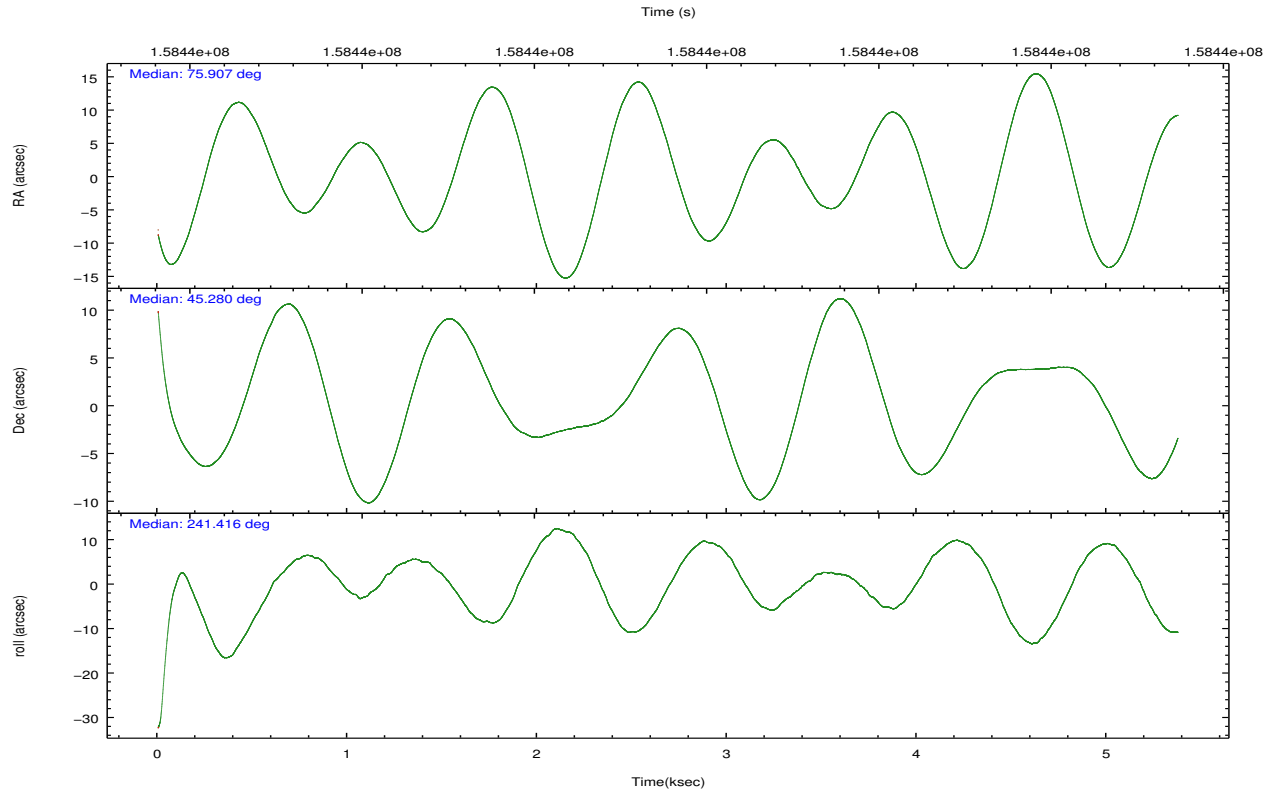


## 2.2 Compared Parameters

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	75.905757	75.9072368772548	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	45.307165	45.27986671378328	Subarray start row	384	385
[deg] Pointing Roll	241.262936	241.4184475525345	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	158439469.184000	158438415.79537			
Observation start date	2003-01-08T18:56:45	2003-01-08T18:40:15			
[s] Observation end time (MET)	158444469.184000	158445188.48316			
Observation end date	2003-01-08T20:20:05	2003-01-08T20:33:08			
Read mode	TIMED	TIMED			

## 2.3 Aspect



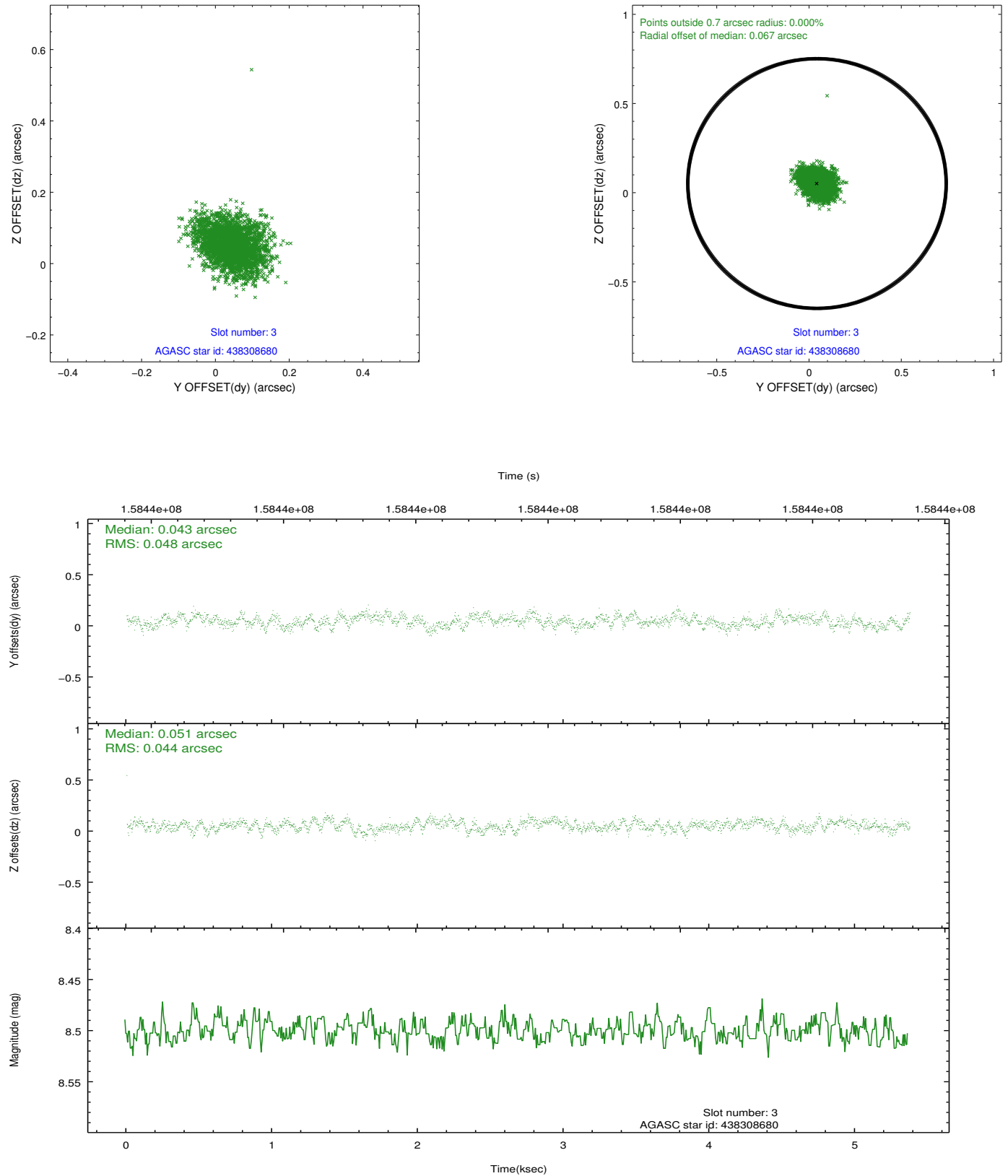


### Slot Statistics

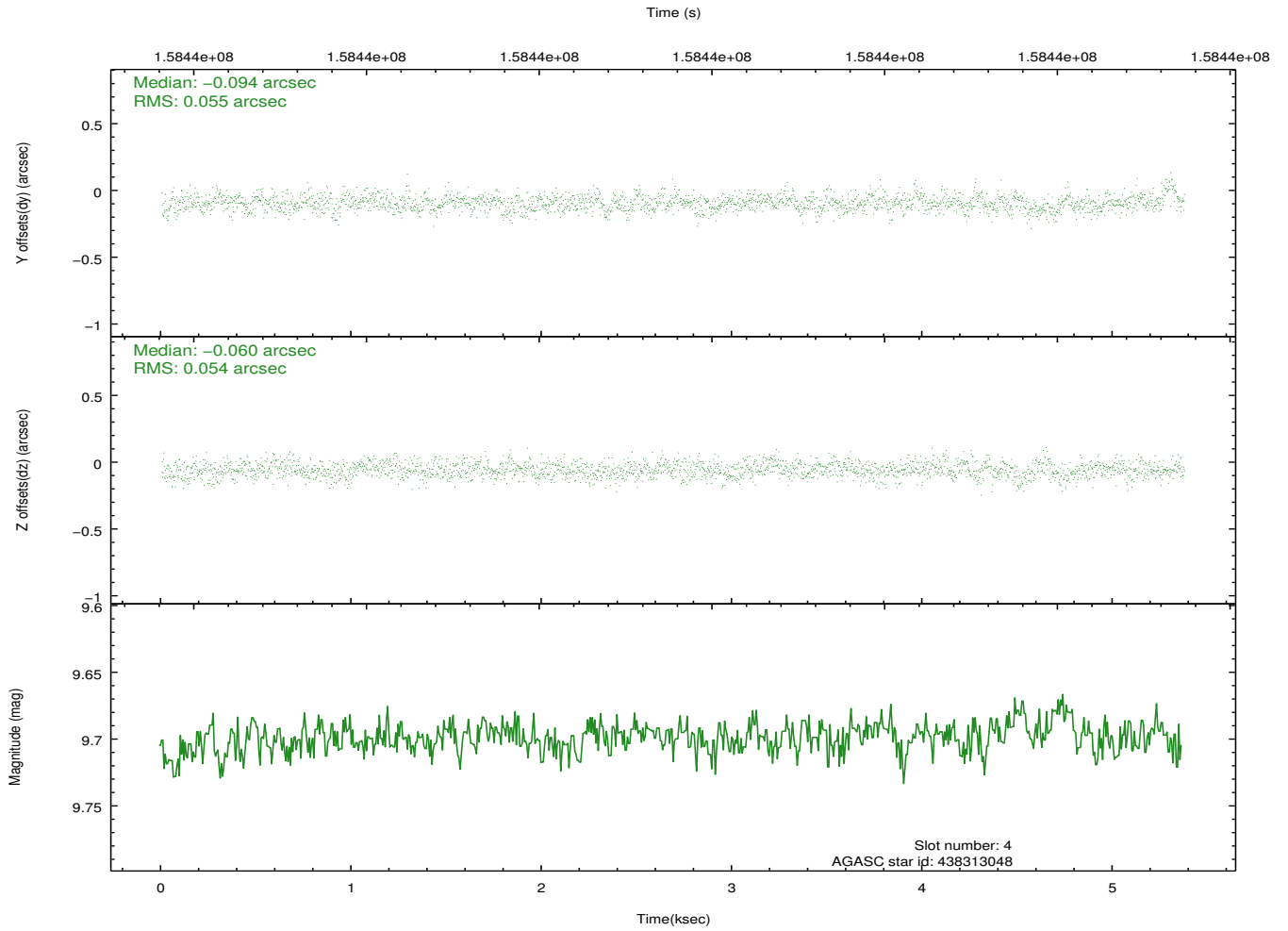
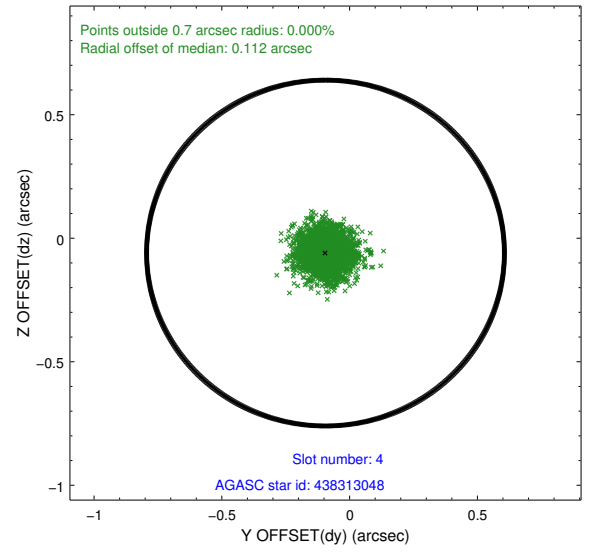
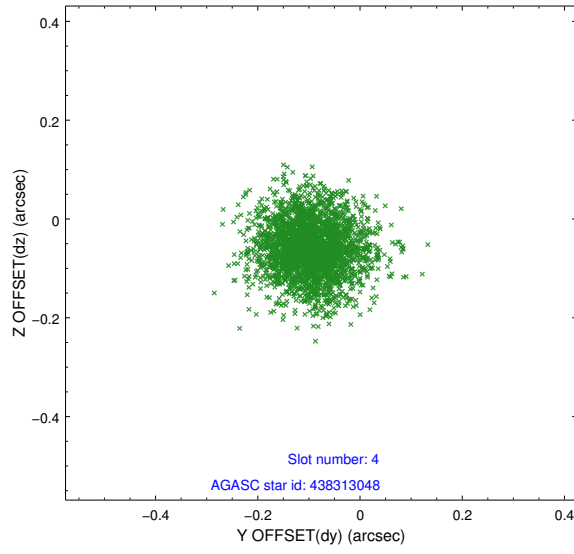
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1311	-0.063	-0.012	0.007	0.012	0.000000	0.000000	-754.52	-1727.18
1	FID	ACIS-S-4	7.21	1310	0.024	0.033	0.006	0.010	0.000000	0.000000	2158.29	180.26
2	FID	ACIS-S-5	7.24	1310	0.007	-0.013	0.007	0.012	0.000000	0.000000	-1805.89	175.06
3	GUIDE	438308680	8.50	2621	0.043	0.051	0.070	0.111	75.553451	45.026038	1316.70	-300.15
4	GUIDE	438313048	9.70	2622	-0.094	-0.060	0.082	0.133	75.903284	45.965898	-2076.01	-1145.81
5	GUIDE	438443920	9.70	2622	-0.028	0.008	0.088	0.144	76.004678	45.800765	-1678.47	-637.18
6	GUIDE	438457368	9.71	2620	0.017	0.030	0.098	0.160	76.555242	45.473864	-1321.05	1145.73
7	GUIDE	381030024	8.37	2620	0.064	-0.031	0.078	0.121	75.061936	44.874027	2392.02	-1142.67

## 2.4 Star Slots

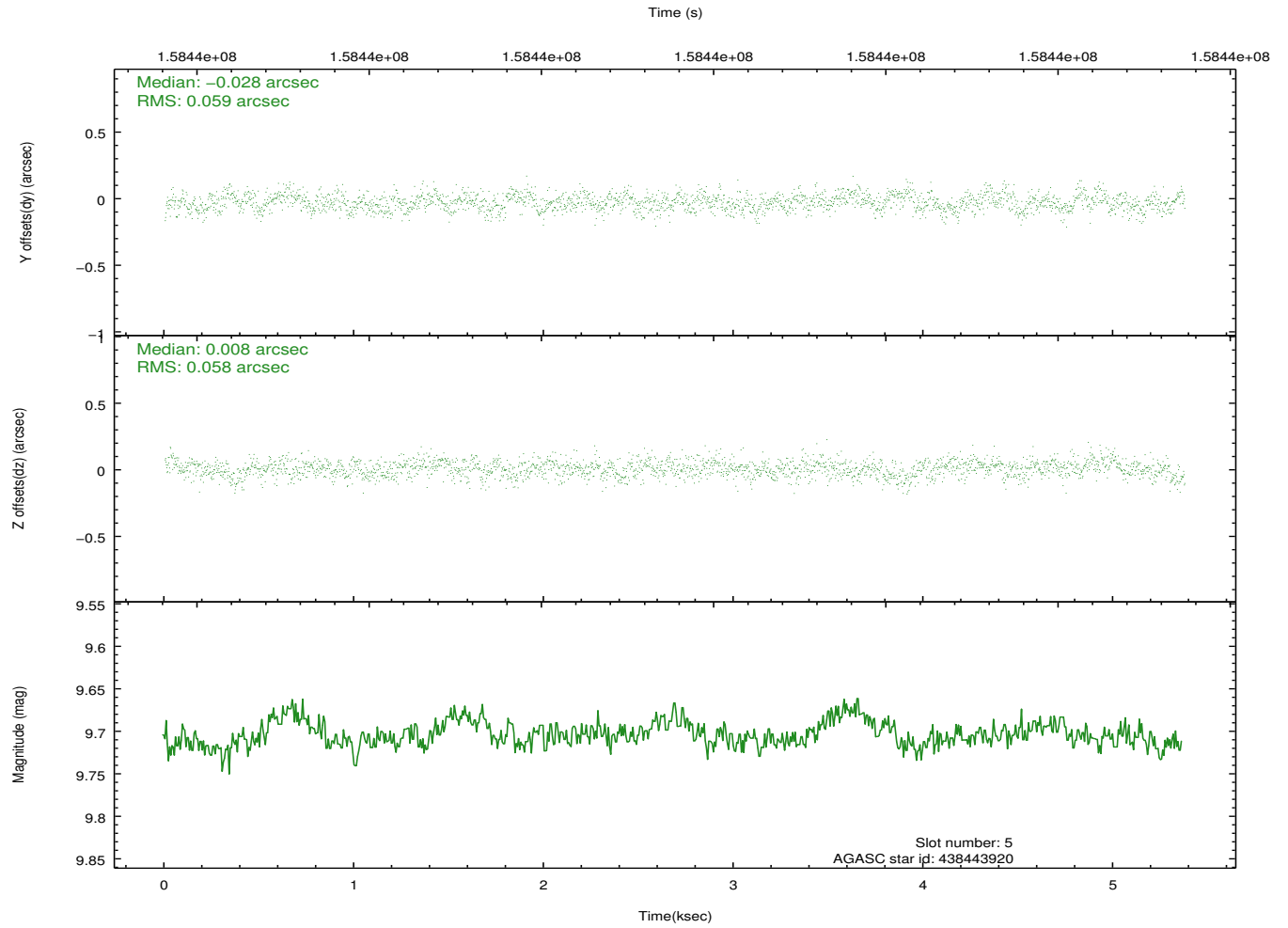
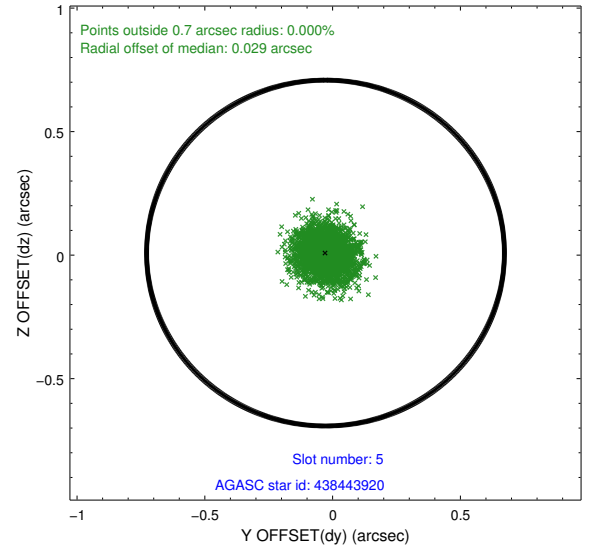
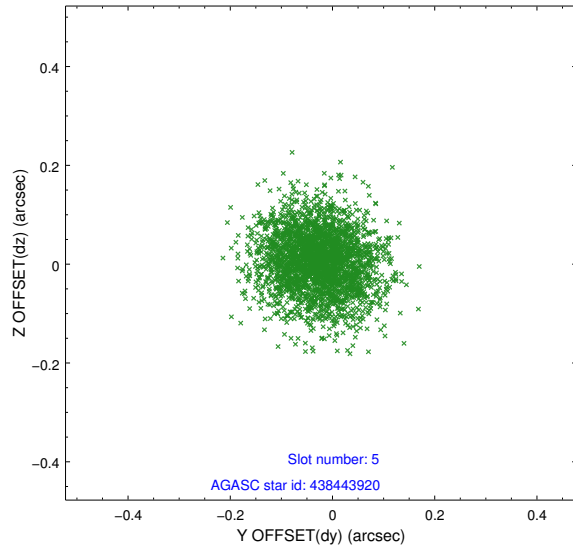
### 2.4.1 Slot 3



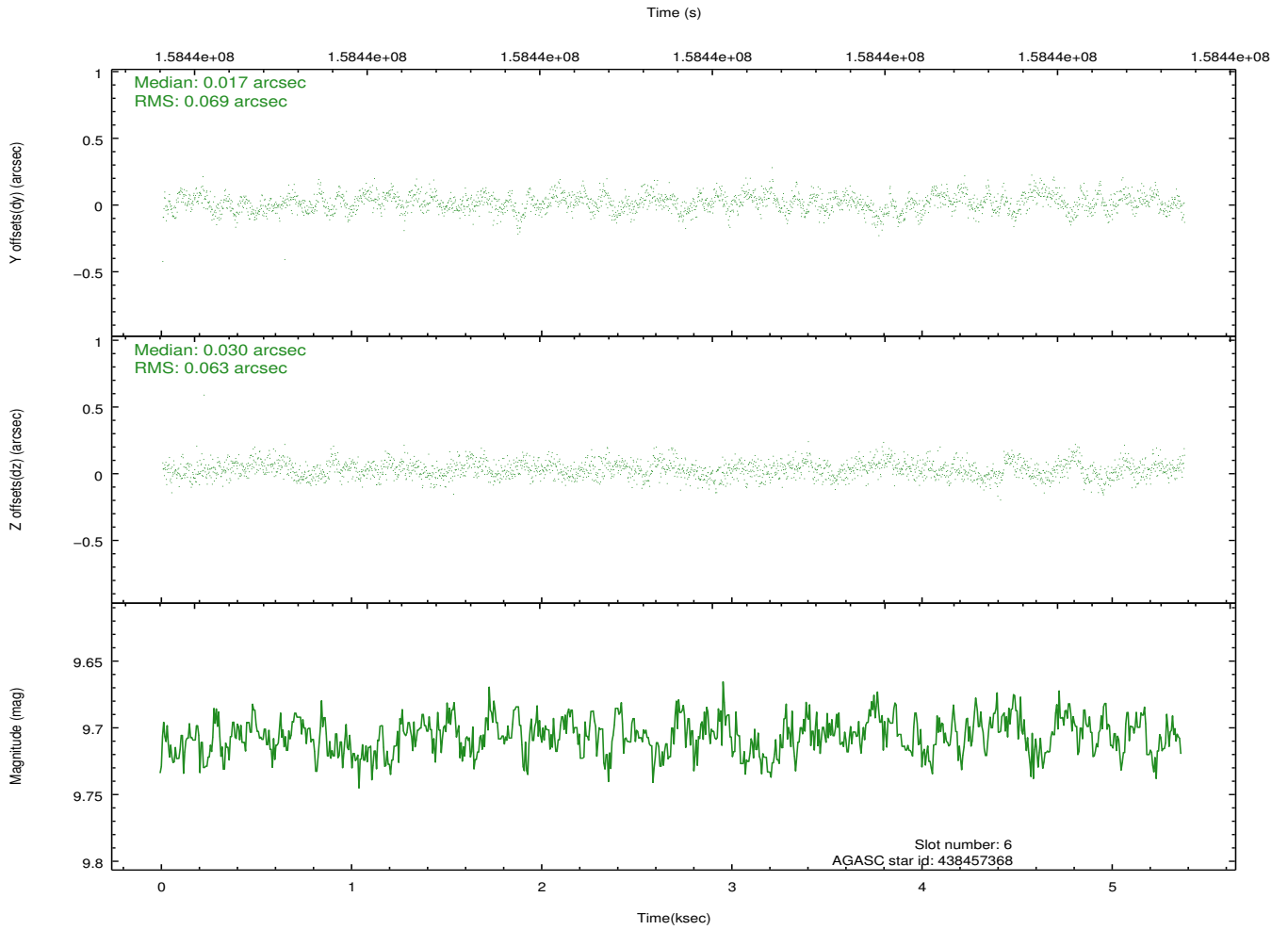
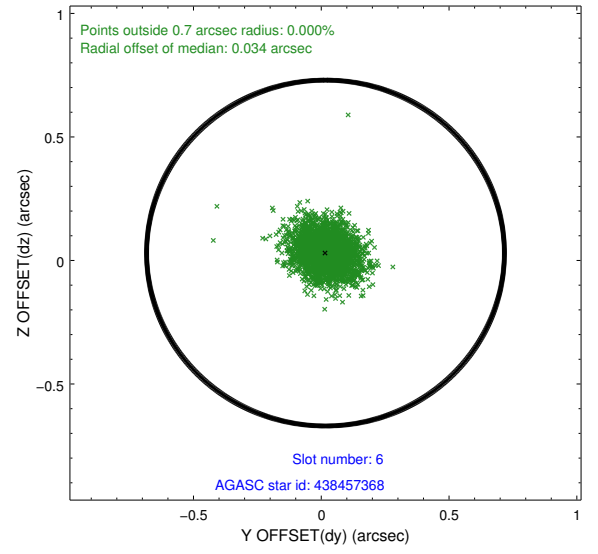
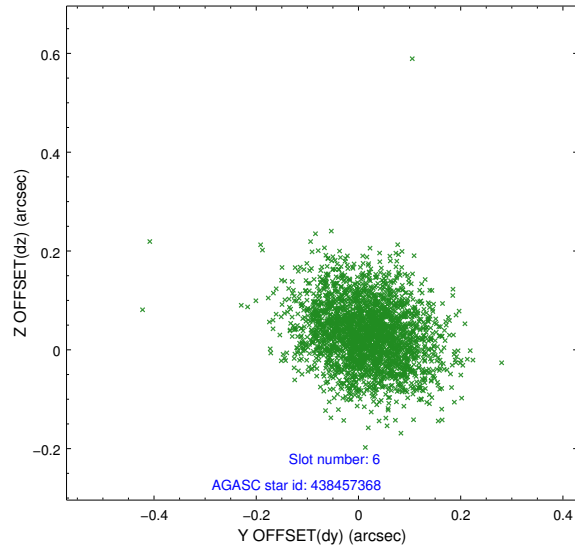
## 2.4.2 Slot 4



### 2.4.3 Slot 5

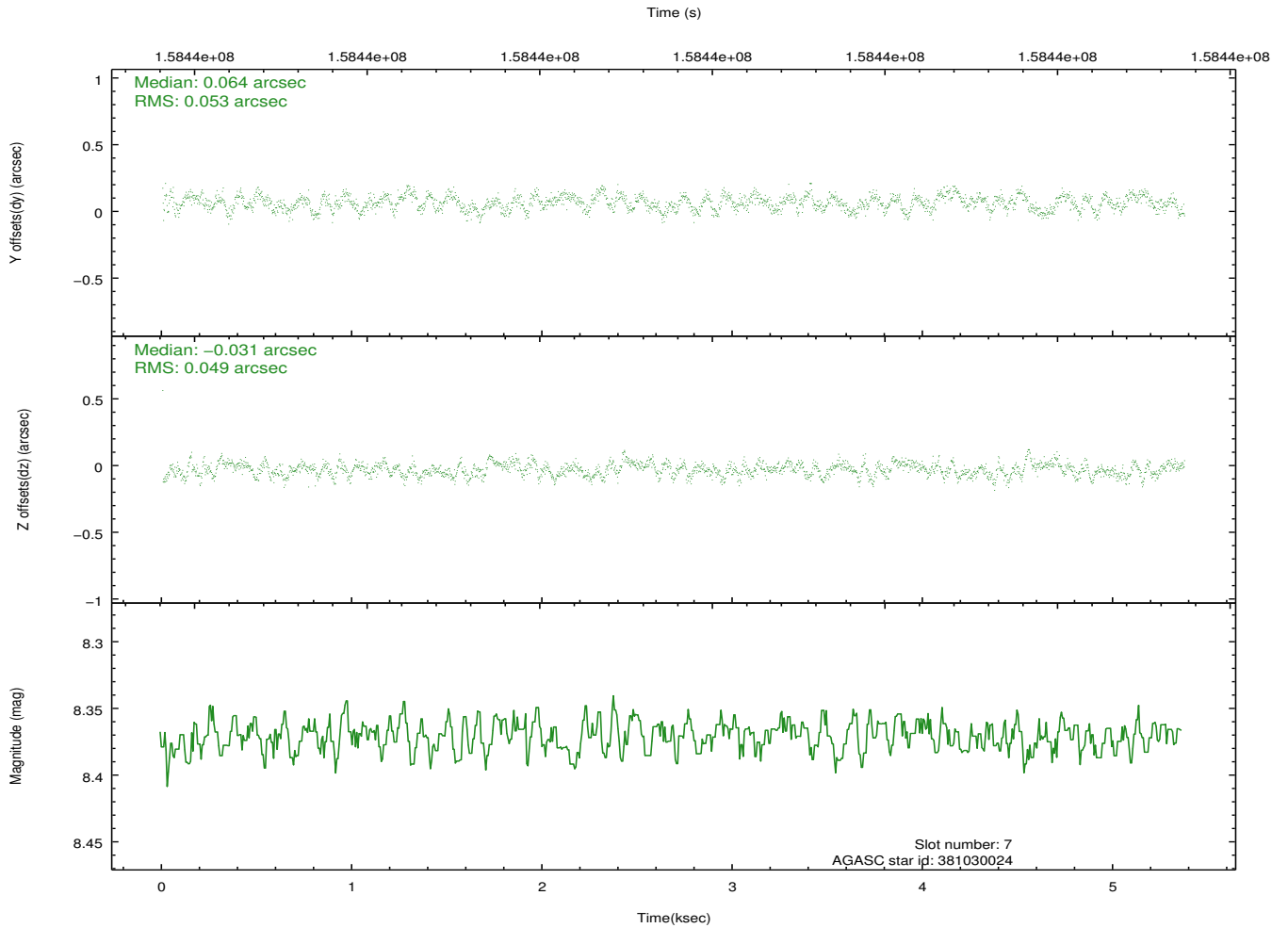
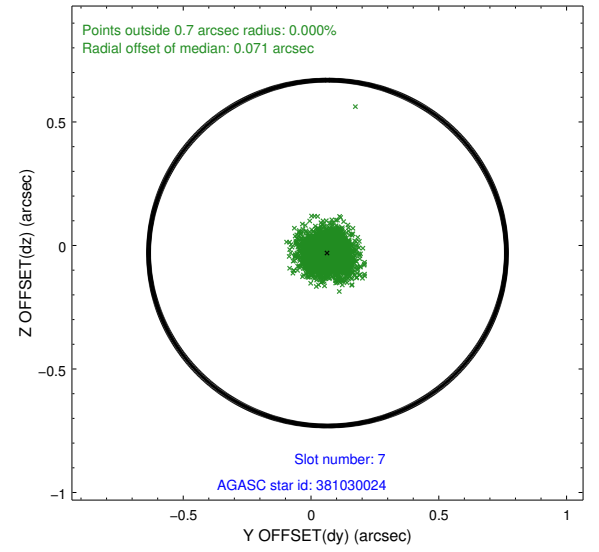
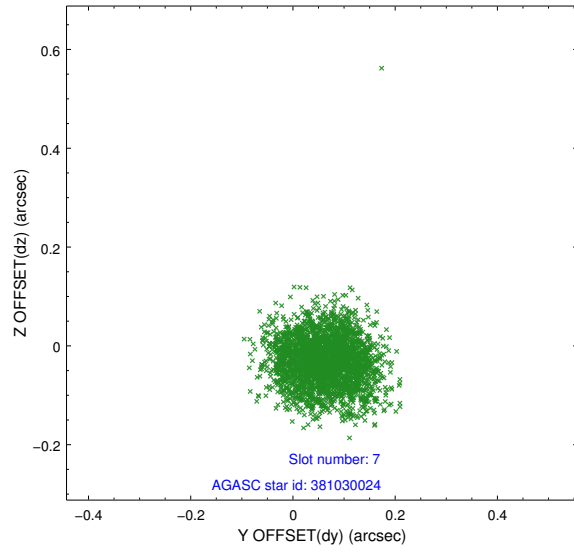


## 2.4.4 Slot 6



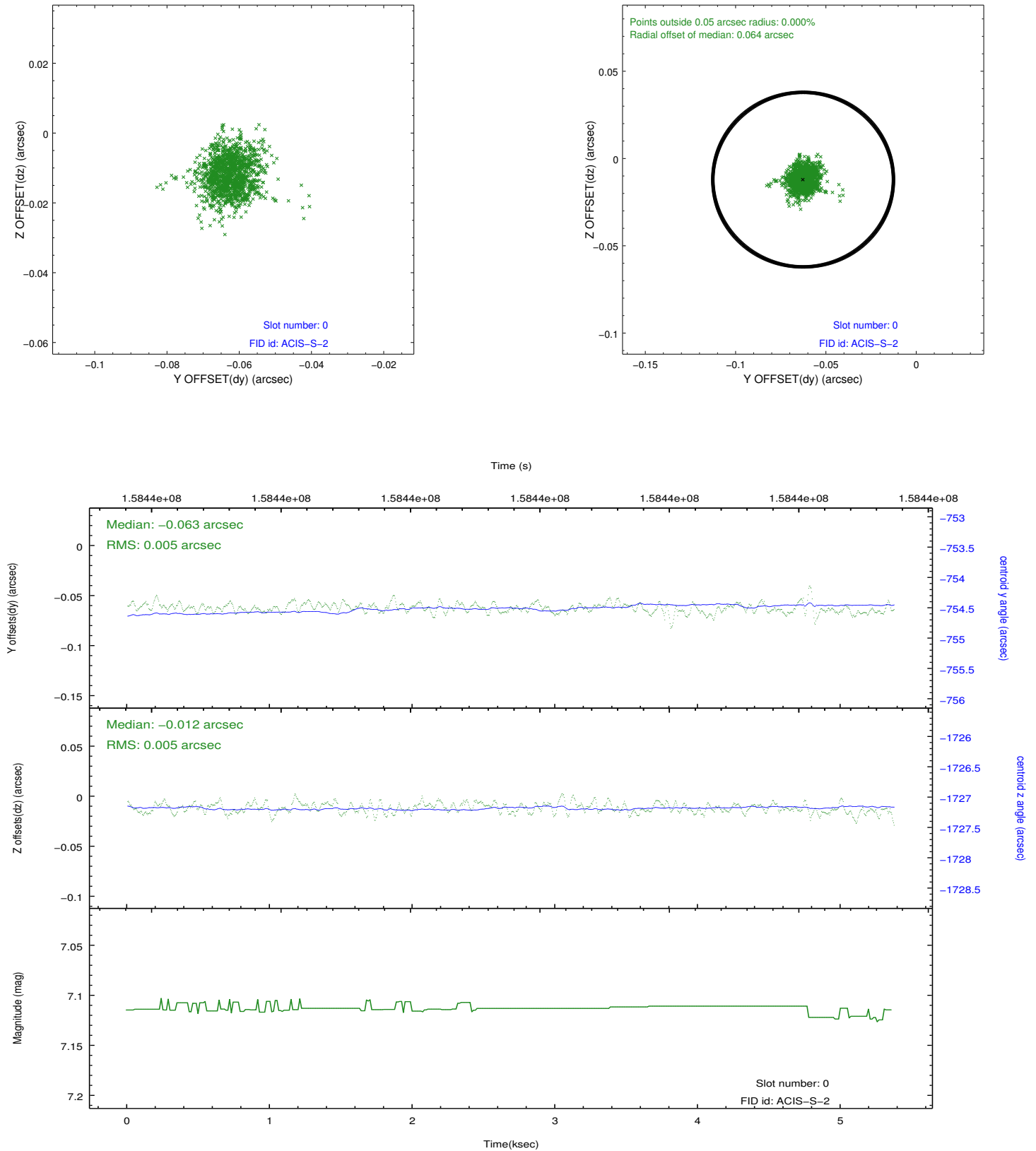


## 2.4.5 Slot 7

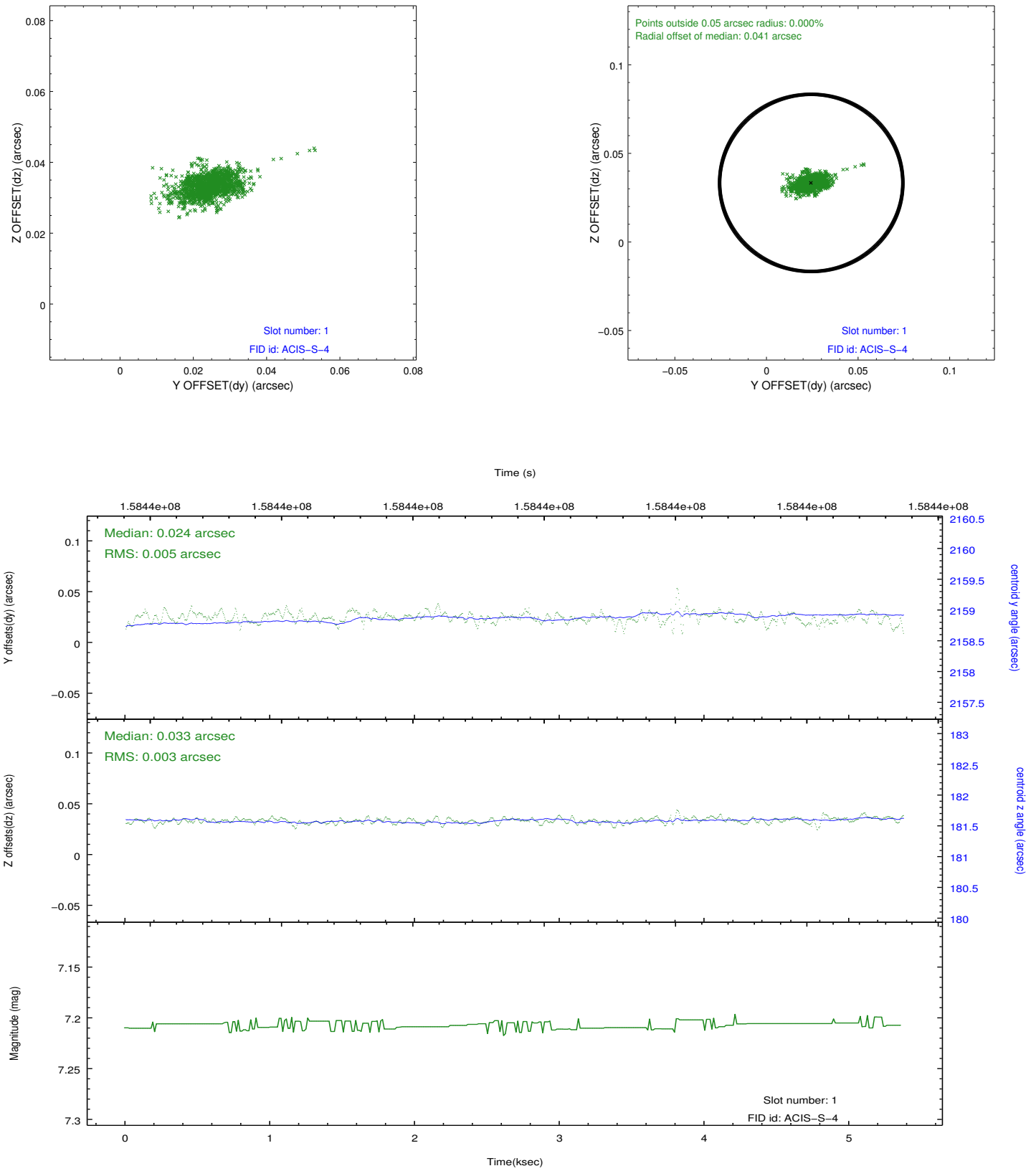


## 2.5 FID Slots

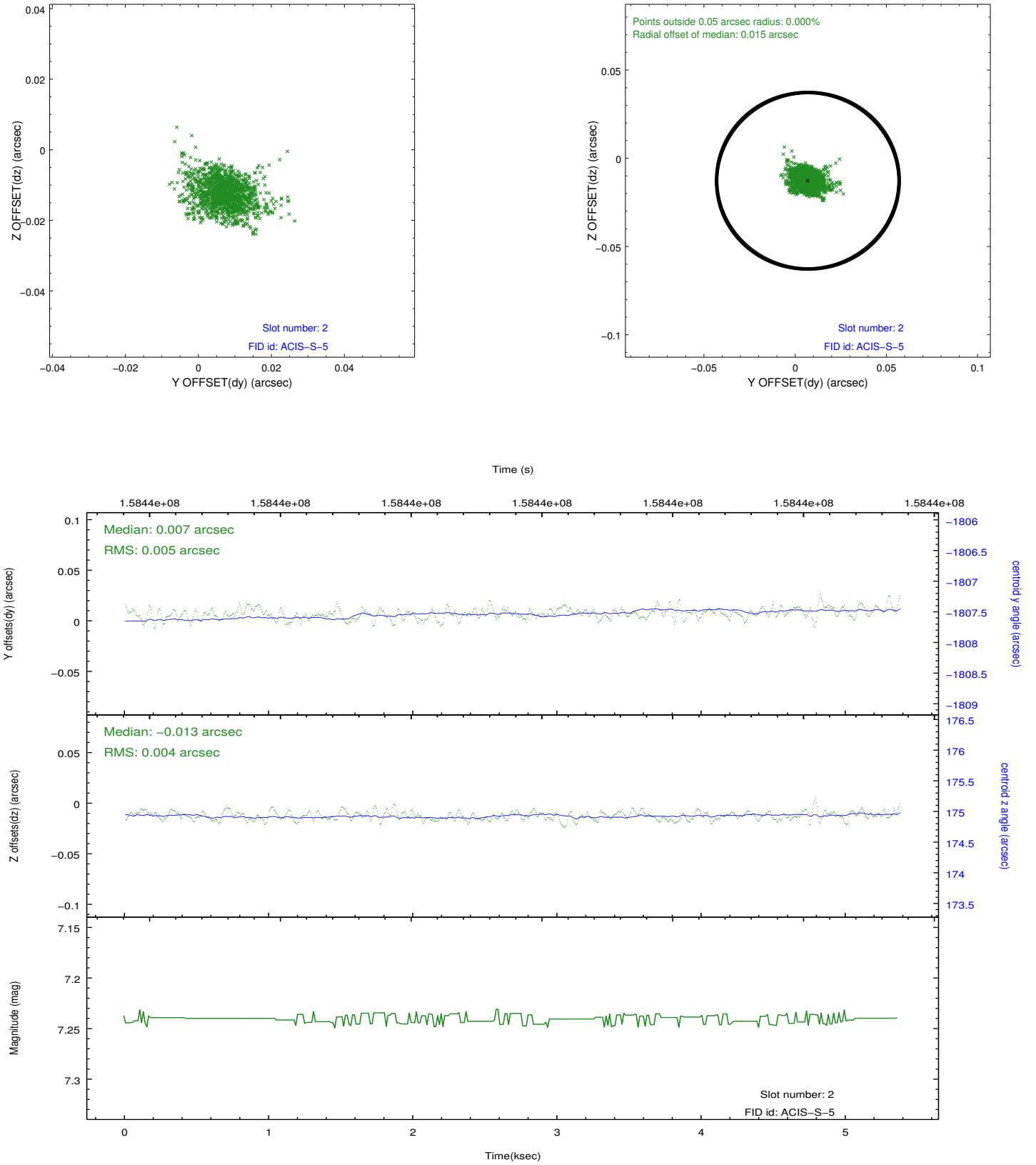
### 2.5.1 Slot 0



## 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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.371

### A.2 Comments