

Iris Pilot Operations Report

Riverside County Sheriff's Department (RCSD)

Additional explanations and contact information are located at the end of this report.

Report Summary

The summary numbers include bulk enrollments and error transactions that have been fixed. Expunged records are not included.

Operations Summary									
Date	Enrollments				Searches				
	Avg. Time	Success	Errors	Total	Avg. Time	Success		Errors	Total
					Match	Non-Match			
2015 - December	0.6 s	3,312	310	3,622	-	0	0	0	0
2015 - November	0.5 s	3,334	293	3,627	-	0	0	0	0
2015 - October	0.6 s	3,937	337	4,274	-	0	0	0	0
2015 - September	0.5 s	3,830	334	4,164	-	0	0	0	0
2015 - August	0.5 s	3,364	275	3,639	-	0	0	0	0
2015 - July	0.5 s	3,744	307	4,051	-	0	0	0	0
2015 - June	0.6 s	3,505	279	3,784	-	0	0	0	0
2015 - May	1.1 s	3,907	335	4,242	-	0	0	0	0
2015 - April	0.7 s	3,982	324	4,306	-	0	0	0	0
2015 - March	0.6 s	4,317	315	4,632	-	0	0	0	0
2015 - February	0.5 s	2,553	194	2,747	-	0	0	0	0
Monthly average for each year takes into account partial years but not partial months.									
2015 Monthly Avg.	0.6 s	3,616.8	300.3	3,917.1	-	0.0	0.0	0.0	0.0
Yearly summaries include information from each year of operation with partial information for the current year.									
2015 Summary	-	39,785	3,303	43,088	-	0	0	0	0
Total	-	39,785	3,303	43,088	-	0	0	0	0

Summary of Notable Items		
	Location	Message
A	Riverside Sheriff's Office	High percentage of iris enrollment submissions resulted in errors (20.4%).
B	Riverside Sheriff's Office	High percentage of iris enrollment submissions resulted in errors (5.8%).
C	Riverside Sheriff's Office	High percentage of iris enrollment submissions resulted in errors (9.1%).
Some issues are mentioned both at a high level and then as root causes. For example, a location may be listed for high percent of enrollments with no eyes enrolled. It may also be listed for a large number of low-quality right eyes and skipped capture of left eyes.		

Iris Enrollments

Iris images can be enrolled with tenprints or as an update to an existing record. Both methods require two Type-17 Iris Image Records to be submitted. When an iris cannot be captured the reason can be indicated in the Type-17 record and no image is submitted.

Enrollments with tenprints allow 0-2 iris images to be submitted. Enrollments without tenprints require 1-2 iris images be submitted. Enrollments can either completely succeed (two iris images enrolled), completely fail (no iris images enrolled), or partially succeed (one iris image fails and one enrolls). Tenprint submissions with no iris images are considered "successful".

Iris Enrollment Results By Camera Serial										
SERIAL	Location	Successful Iris Image Enrollments						Errors	Total	
		2 Eyes		1 Eye		0 Eyes	Subtotal	Subtotal		
PD214030000308-3812021	Riverside Sheriff's Office	1,124	99.8 %	2	0.2 %	0	0.0 %	1,126	69	1,195
PD214030000308-0912005	Riverside Sheriff's Office	798	99.9 %	1	0.1 %	0	0.0 %	799	80	879
PD214030000308-3812019	Riverside Sheriff's Office	604	99.8 %	1	0.2 %	0	0.0 %	605	21	626
PD214030000308-3612033	Riverside Sheriff's Office	522	100.0 %	0	0.0 %	0	0.0 %	522	134	656
PD214030000308-3812012	Riverside Sheriff's Office	260	100.0 %	0	0.0 %	0	0.0 %	260	6	266
TOTAL	5	3,308	99.9 %	4	0.1 %	0	0.0 %	3,312	310	3,622

Iris Images Submitted for Enrollment

High numbers of bad or skipped images may indicate a defective camera, poor lighting, or software issues.

Iris Image Enrollment Submissions By Camera Serial													
SERIAL	Location	Left Eye						Right Eye					
		GOOD		BAD		SKIP		GOOD		BAD		SKIP	
PD214030000308-3812021	Riverside Sheriff's Office	1,124	99.8 %	2	0.2 %	0	0.0 %	1,126	100.0 %	0	0.0 %	0	0.0 %
PD214030000308-0912005	Riverside Sheriff's Office	799	100.0 %	0	0.0 %	0	0.0 %	798	99.9 %	1	0.1 %	0	0.0 %
PD214030000308-3812019	Riverside Sheriff's Office	605	100.0 %	0	0.0 %	0	0.0 %	604	99.8 %	1	0.2 %	0	0.0 %
PD214030000308-3612033	Riverside Sheriff's Office	522	100.0 %	0	0.0 %	0	0.0 %	522	100.0 %	0	0.0 %	0	0.0 %
PD214030000308-3812012	Riverside Sheriff's Office	260	100.0 %	0	0.0 %	0	0.0 %	260	100.0 %	0	0.0 %	0	0.0 %
TOTAL	5	3,310	99.9 %	2	0.1 %	0	0.0 %	3,310	99.9 %	2	0.1 %	0	0.0 %

Iris Enrollment Errors

FBI CJIS Division recommends that errors are corrected to maximize the enrolled population and utility of the iris recognition services. Descriptions of error types can be found at the end of this report. Submissions may contain multiple errors.

Iris Enrollment Error Types By Camera Serial							
SERIAL	Location	Missing T-17 Errors			Templating Errors	Other	Total
PD214030000308-3612033	Riverside Sheriff's Office	124			10	0	134
PD214030000308-0912005	Riverside Sheriff's Office	68			12	0	80
PD214030000308-3812021	Riverside Sheriff's Office	53			16	0	69
PD214030000308-3812019	Riverside Sheriff's Office	15			6	0	21
PD214030000308-3812012	Riverside Sheriff's Office	4			2	0	6
TOTAL	5	264			46	0	310

Identification Report

No identification search information is included in this report.

Additional Information

Agency, Facility, Location, and Serial Number

Locations are determined using the submitted iris camera Make/Model/Serial number (MMS) and iris image source agency (SRC) with a list of corresponding locations provided by the local or state agency. Please provide updates as needed.

Error Types

Missing Type-17 Iris Record

L0013 A general logic error was detected that is not currently defined. File contains an invalid number of Type-17 records.

This error is caused by submissions with more or less than two Type-17 iris records. See the [Iris Pilot Tech. Spec.](#) for details.

Templating Errors

IRP003 A template could not be created for the submitted image ELR: '1'.

This error is almost always caused by low-quality iris images.

Other Errors

These errors include duplicate submissions and other minor glitches. Beginning in April 2015, most minor issues are automatically corrected on submissions. CJIS can provide additional information if needed.

Response Times

Response times are measured from the time the Iris Pilot receives a submission to the time that a response leaves the Iris Pilot.

For iris enrollments submitted with tenprints there is additional time for tenprint processing before the irises are sent to the Iris Pilot that is not included in this report.

Bulk submissions are not included in average times.

Two Iris Images vs. One Iris Image

FBI CJIS Division always recommends enrolling and searching both irises to avoid any "clean misses". For example, if only a right iris image is enrolled and a left iris image is searched, a non-match result will be returned even though the subject was enrolled in the iris database.

For each Type-17 Iris Record submitted there are three possible outcomes.

1. "GOOD" - The iris image was used for the enrollment or search.
2. "BAD" - The iris image failed to pass quality checks and was not used in the enrollment or search.
3. "SKIP" - No iris image was submitted.

Contact Information

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