PS1 Glossary of PS1-specific terms

The starting point for the PS1 data archive is at Pan-STARRS1 data archive home page.

Note: If you edit an existing entry, please explain why you made the change in the "What did you change?" box before pushing the "Save" button.

Term	Explanation
Detection	Catalog data for a single source from a single exposure.
Object	Catalog data for one or more associated detections.
OTA	Orthogonal Transfer Array. An OTA consists of an 8 x 8 array of 600 x 600 pixel CCD cells. The PS1 camera consists of 60 OTAs.
PSPS	Published Science Product System. This is the PS1 object database.
Sky cell	One tile in the PS1 tessellation of the sky.
Stack image	Image constructed by combining all useful warp images that overlap a single sky cell. Sometimes simply referred to as a "stack".
Stack detection	Catalog data for a single source from a stack image.
Stack object	Catalog data for one or more associated stack detections.
Tessellation	The scheme used to cover the spherical sky with a regular pattern of rectangular images in a manner that leaves no gaps in coverage.
Warp image	Image constructed by resampling a single exposure onto a canonical sky cell projection. Sometimes simply referred to as a "warp".
Ubercal	The process that uses comparisons in flux measurements from overlapping exposures to improve the global calibration.