## STFC Contribution to WP2:

## Manual Cataloguing of HI CMEs

## Overview

- Task 2.1: Manual cataloguing of STEREO/HI CMEs
- CMEs occuring since the beginning of the science phase (April 2007) of the mission are identified by manual inspection.
- Basic observational parameters are included: position angle span and time of entry into HI-1 FOV.
- This task is complete to the end of August 2014 and available on the HELCATS website.


## CME Identification



1. CME is identified in $\mathrm{HI}-1$ image.

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1. CME is identified in $\mathrm{HI}-1$ image.
2. Position angle limits are determined
3. Time of entry into FOV is recorded

## Catalogue Format



These parameters are now available on the HELCATS website (Products > WP2: CME Identification)

CMEs are given a unique ID and quality flag (poor, fair, good)

## CME frequency



Ahead: 965 CMEs


Behind: 918 CMEs

The catalogue is complete from beginning of science phase to beginning of reduced science operations (April 2007 - August 2014).

## CME position angle distribution




## Coincident CMEs



If a CME is observed by STEREO-A, do we see an event in STEREO-B?


## Coincident CMEs



If a CME is observed by STEREO-A, do we see an event in STEREO-B?


## Summary

- Task 2.1: Manual cataloguing of STEREO/HI CMEs
- Unique CME identifier
- Image in which Cme is first observed
- Observing Spacecraft
- Position angle extent
- Quality flag
- Complete for STEREO-A and B, April '07 - August '14
- Available on HELCATS website http://www.helcats-fp7.eu

