

Identification of Gas Flares by means of BIRD images

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BIRD

- BIRD hot spot algorithm run on a selection of images likely to contain GFs ;
- The fire clusters produced (and some bright spots) were checked for co-location with previously reported GFs [4][5][6]) and high resolution images ;
- Production of a database of 417 Gas Flares

AATSR

- Retrieval of SWIR radiances in NADIR view for the locations reported by BIRD in a timespan of ± 2 months

AATSR

- Development of an algorithm to detect and determine the radiative power of GFs ;
- Comparison with the BIRD database

Sentinel-3 and FireBIRD

- Application of the algorithm to Sentinel-3 data
- Verification of the algorithm output with FireBIRD images

Completed task

To be implemented

