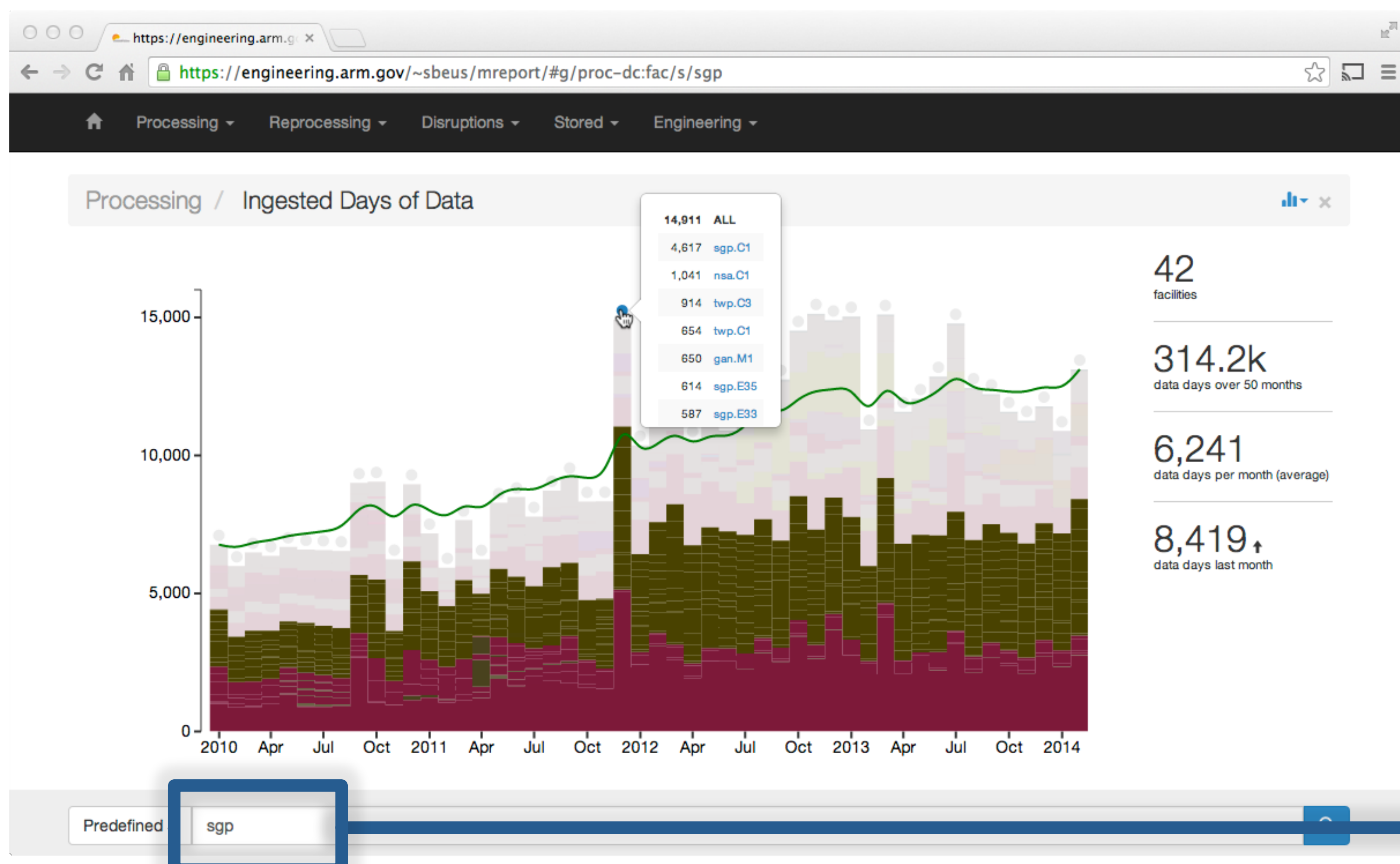


# ARM DATA MANAGEMENT FACILITY STATISTICS

MINING HISTORICAL RECORDS THAT PROVIDE INSIGHT INTO THE WORK WE DO

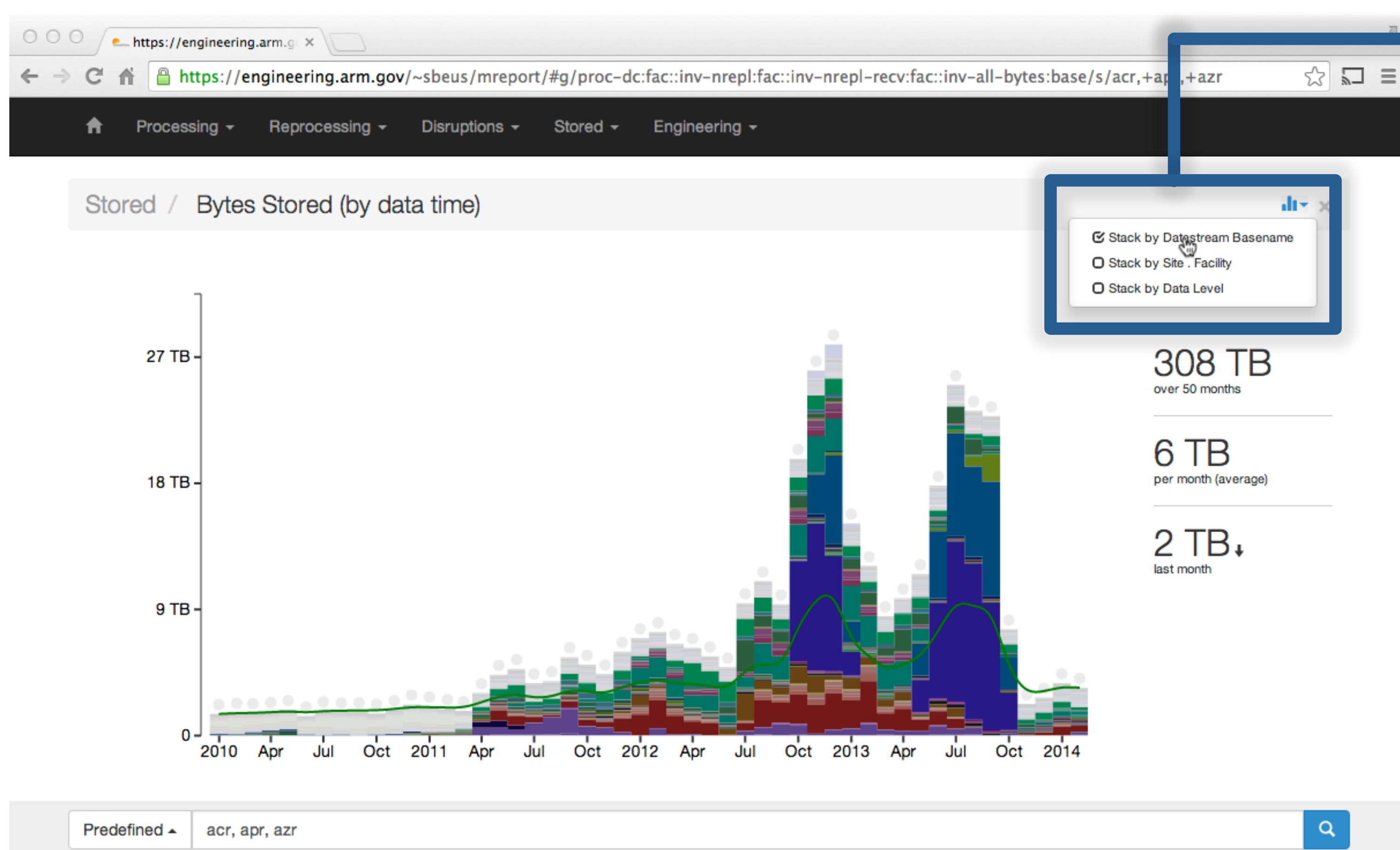
70+ dynamic plots of more than 4 years of statistics mined from 5 databases and 200+ GB of logs

## features



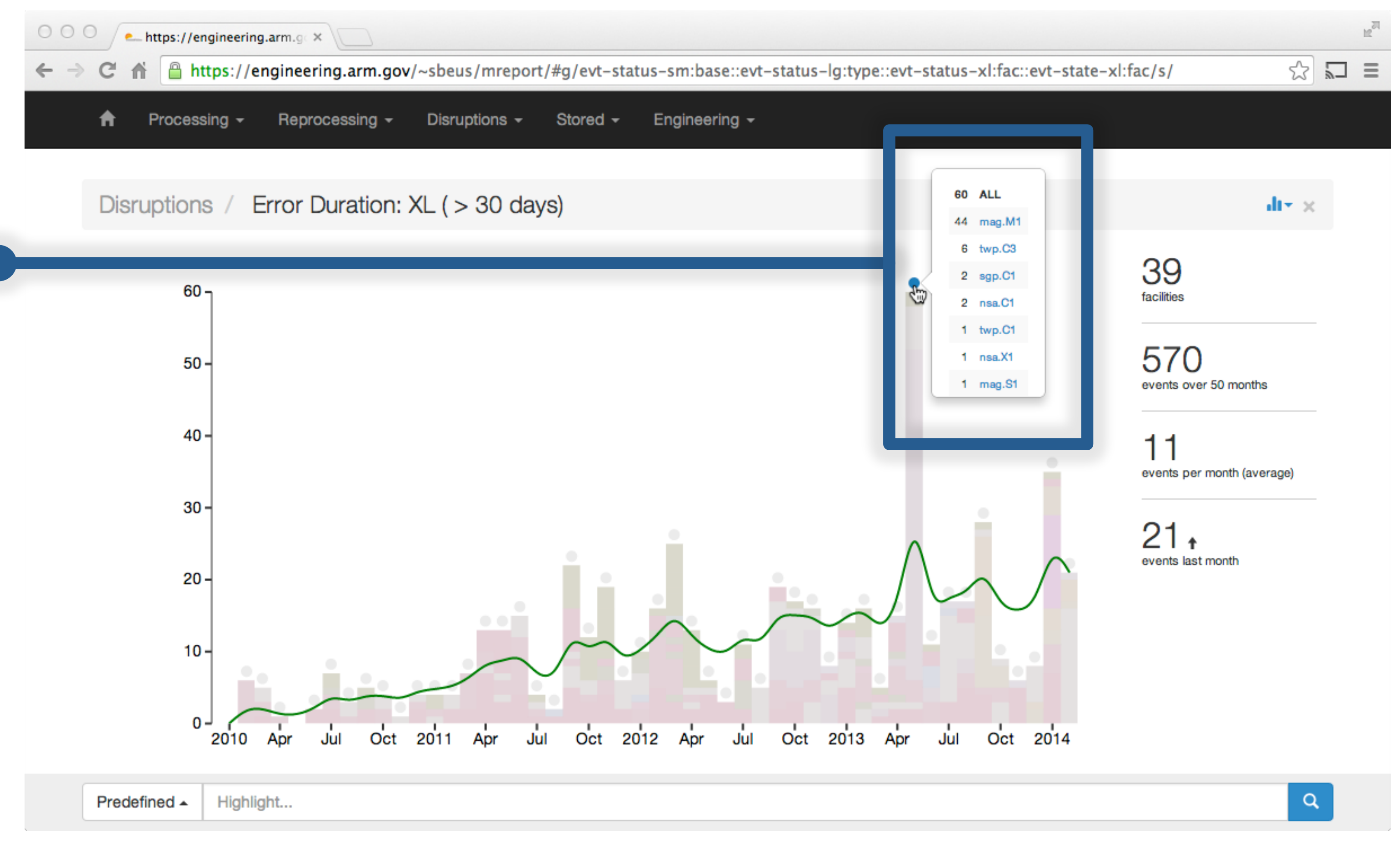
### PROCESSING IMPACT OF RECOVERY ACT INVESTMENT

This plot highlights the increase in “data days” processed from the Southern Great Plains (SGP) site, which is at least partially due to new instrumentation purchased as part of the Recovery Act of 2009.



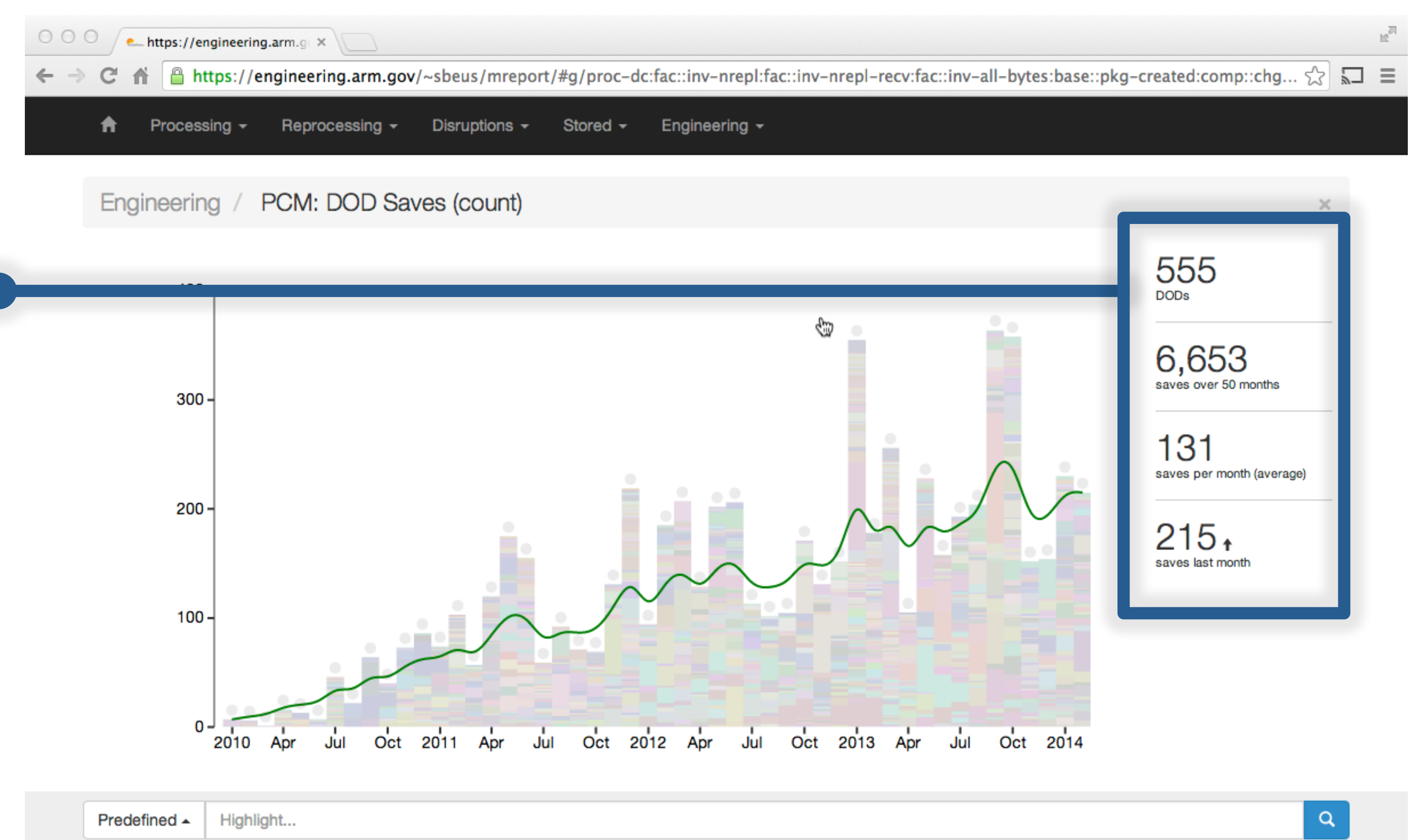
### DATA STORAGE IMPACT OF NEW ONLINE RADARS

The two large spikes above note the impact of radar data obtained during the MAGIC campaign. And new ARM radars are just getting started.



### UPWARD TREND OF LONGER-TERM DISRUPTIONS

The plot above shows the number of times an issue with some part of the data flow process occurred and took more than 30 days to be resolved. Examples might include instrument malfunction or updates to data processing code. Or it could be a false positive like the temporary halt of the MAGIC campaign (highlighted).



### STEADY ADOPTION OF STANDARD LIBRARY CODE

Using the number of times a Data Object Design (DOD) definition was saved in the Processing Configuration Management (PCM) tool it is clear that both the adoption of the ARM Data Integrator (ADI) libraries as well as attention to data product standards are steadily increasing.

Monthly summary table popover

Can select only the plots you want to see

Customizable filter to highlight key portions of each visible plot

Shareable URL that maintains current view

Configurable dimensions e.g. facility vs. instrument vs. data type

Summary statistics

Summary trend line

Mouse over highlights for individual elements

Easily extendable backend for adding more and more statistics