LANCE Redundancy

LANCE Element	Processing (Data Creation)	Metadata Creation	Imagery creation	Metadata export to ECHO /CMR	Imagery Export to GIBS	Metrics export to EMS	Fail-over notification	Comments
ASDC	ECS (primary l5eil01) and mini-ECS (secondary l6eil50)	ECS (primary) and mini-ECS (secondary)	Primary	Primary	Primary; (GIBS export includes: 18 tiled images in GeoTIFF, xml metadata, file naming convention and md5checksum)	Primary and Secondary	Manual is planned via e-mail to users on list with link	MISR NRT Primary and Secondary are in different wings of the same building and have different power grids, backup and EMOS/EDOS links. Formal installation of ECS custom software is required for correct EMS flat files (no zero-byte files) on secondary.
AMSR	NRT1 and NRT2; RD1 and RD2 for HDF		NRT2	NRT1 (C5) and NRT3 (C6 & VIIRS)	netCDF to GIBS via WCS	NRT1 and 2	Manual user sent e-mail notification	
AIRS&MLS	NRT1 and NRT2		post-processing on another server	NRT1	another server	NRT1 and 2	if NRT1 is down they will manually point users to NRT2. This should be transparent to user.	NRT1 and 2 are in the same building but on different power supplies. in the event of a disaster there is another machine in another building but this is in ops
MODIS	NRT1 & 2 run constantly for C5. NRT3 for C6 and VIIRS.		NRT2	NRT1 and NRT3	Images pulled from secondary	NRT1, 2 and 3	Manual user sent e-mail notification	NRT4 being commissioned
OMI	NRT1 and NRT2 run constantly		NRT2	NRT1		both	Manual user sent e-mail notification	
AMSR	Primary and Secondary run constatntly	on Primary and Secondary	on Primary and Secondary	sounds like Primary	imagery sent from Primary	sounds like Primary	web areas for pickup are on Primary and Secondary; user can link to either;	subscription would work similar to ASDC; believes you cannot send duplicate metadata to ECHO or EMS; in test mode for metrics need Lalit review; sounds like GIBS needs firewall rules to handle dual streams and switchovers so they are happy with one