B Near Real Time MODIS and VIIRS Albedo, BRDF, and NBAR Products

C. Schaaf¹, Z. Wang², Q. Sun³, A. Erb¹

¹School for the Environment (SFE), University of Massachusetts Boston,

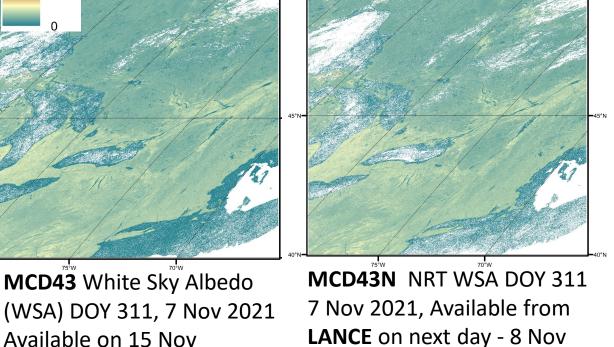
² Earth System Science Interdisciplinary Center (ESSIC), University of Maryland; ³ Science Systems and Applications, Inc. (SSAI)

0.40

 MODIS BRDF, Albedo, and NBAR C6.1 daily NRT products (MCD43A1N, MCD43A3N, MCD43A4N) are now available from LANCE.

UMass Boston

- Daily C2 NRT VIIRS Albedo, BRDF, and NBAR products (VNP43*N) will also be available (the LANCE code has been delivered and is just awaiting C2 implementation.
- Standard daily MCD43* latency for a date of interest is 8 days, while LANCE NRT daily MCD43*N latency for the same date is one day.
 - This is accomplished by retrieving a BRDF from previous 16days worth of high-quality cloud-free data on a daily basis, but then applying that BRDF to each date of interest for further emphasis.
- Extensive QA flags are also provided, both as Mandatory QA attached to each product and as more extensive Band specific information provided in MCD43A2.
 - The NRT QA flags have the same meaning as the standard products.
 - QA flags indicate snow or non-snow retrieval.



Tile h12v05

- While small differences can be expected, the two products (operational MCD43 and LANCE MCD43N) are guite comparable.
- Improved communication with PI product team.