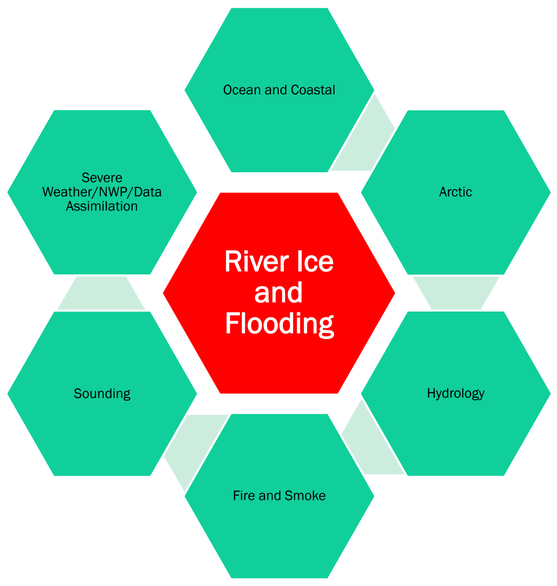
JPSS Proving Ground and Risk Reduction Program

9th NOAA Testbed & Proving Ground Workshop

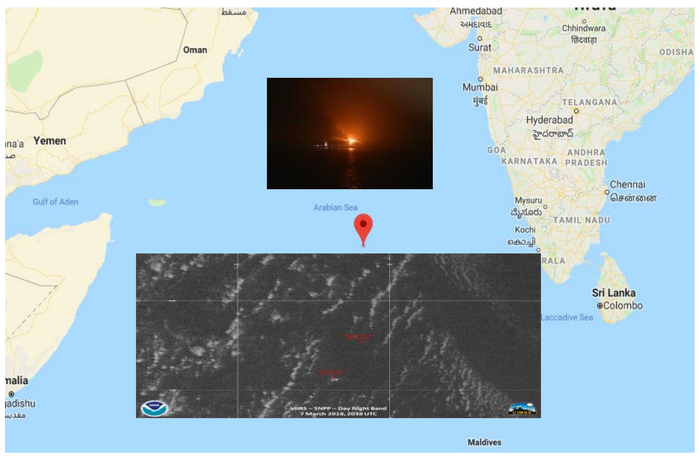
JPSS PGRR Recent Highlights

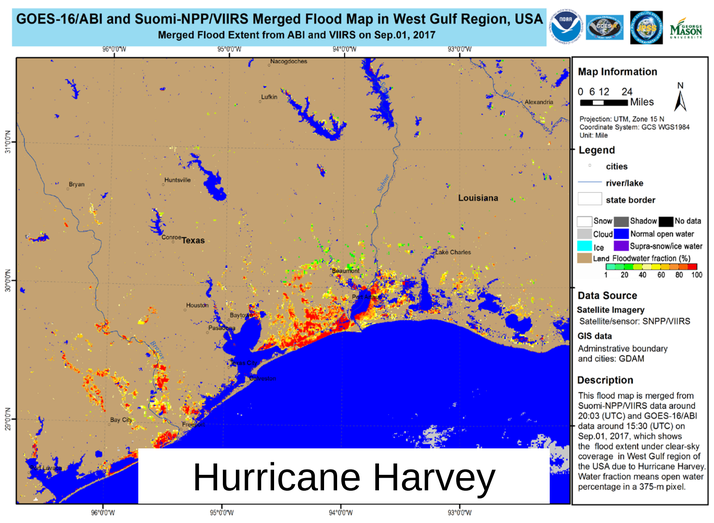


PGRR Initiatives Looking to Team with NOAA Testbeds!

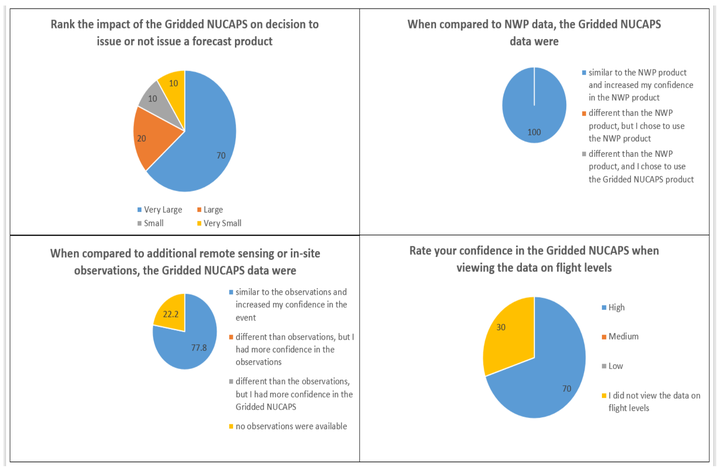
Leveraging Existing NOAA Resources!

Container Ship Maersk Honam on Fire – 7 Mar 2018





Cold Air Aloft Forecaster Feedback



JPSS PGRR FUTURE PLANS

	All times	Loop	Valid Time: Wed 18	Wed 19	Wed 20	Wed 21	Wed 22	Wed 23	Thu 00	Thu 01	Thu 02	Thu 03	Thu 04	Thu 05	Thu 06	Thu 07	Thu 08	Thu 09	Thu 10	Thu 11	Thu 12	Thu 13	Thu 14	Thu 15	Thu 16	Thu 17	Thu 18	Thu 19	Thu 20	Thu 21	Thu 22	Thu 23	Fri 00	Fri 01	Fri 02	Fri 03	Fri 04	Fri 05	Fri 06	
			Forecast: 00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
all fields			00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	all fields
fire radiative power	✓	✓	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	fire radiative power
near-surface smoke	✓	✓	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	near-surface smoke
vertically integrated smoke	✓	✓	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	vertically integrated smoke
10m wind	✓	✓	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	10m wind
1h precip	✓	✓		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	1h precip
2m temperature	✓	✓	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	2m temperature

Smoke Impacting Products from HRRR- Smoke Model

Evaluate Use of Data from Suomi NPP and JPSS-1 (50 min apart)

New Arctic and Aviation Initiatives Working with the Arctic Testbed

NWS Operations Proving Ground

Evaluation of NUCAPS Soundings in Winter Storms

Bill Sjoberg, JPSS Program, Global Science & Technology (GST) Contractor