



# Data Distribution/Ingest

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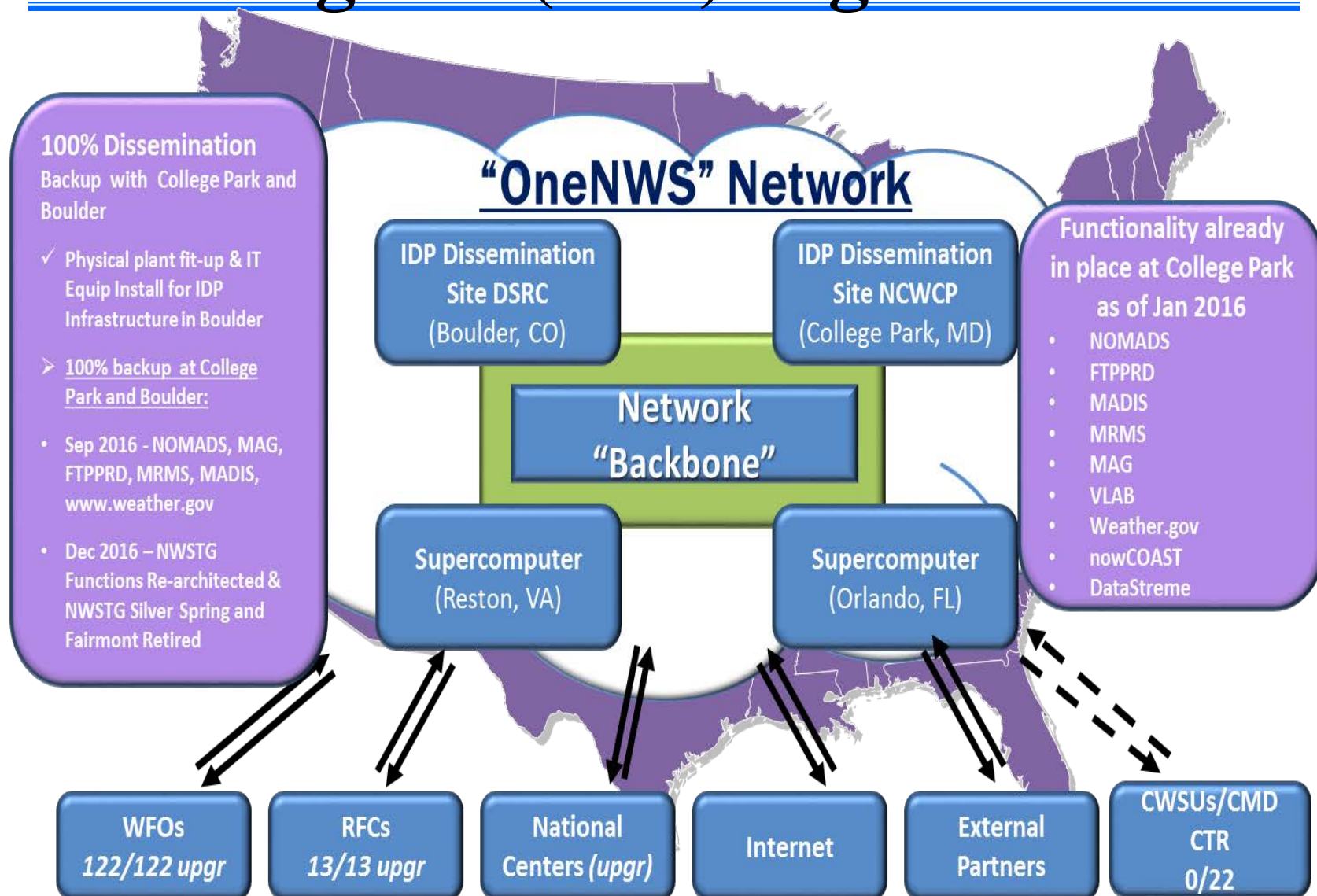
NCEP Central Operations

May 4, 2016

Spring COPC Meeting



# Integrated Dissemination Program (IDP) Big Picture





# Why Are We Doing This?

The TOC Gateway hub had 2 locations in:  
Silver Spring, MD (primary)  
Fairmont, WV (backup)  
but they were not independently redundant

February 13, 2014

A snow plow took out the primary Silver Spring, MD circuit. Fairmont, WV was dependent on that link and also suffered an outage.

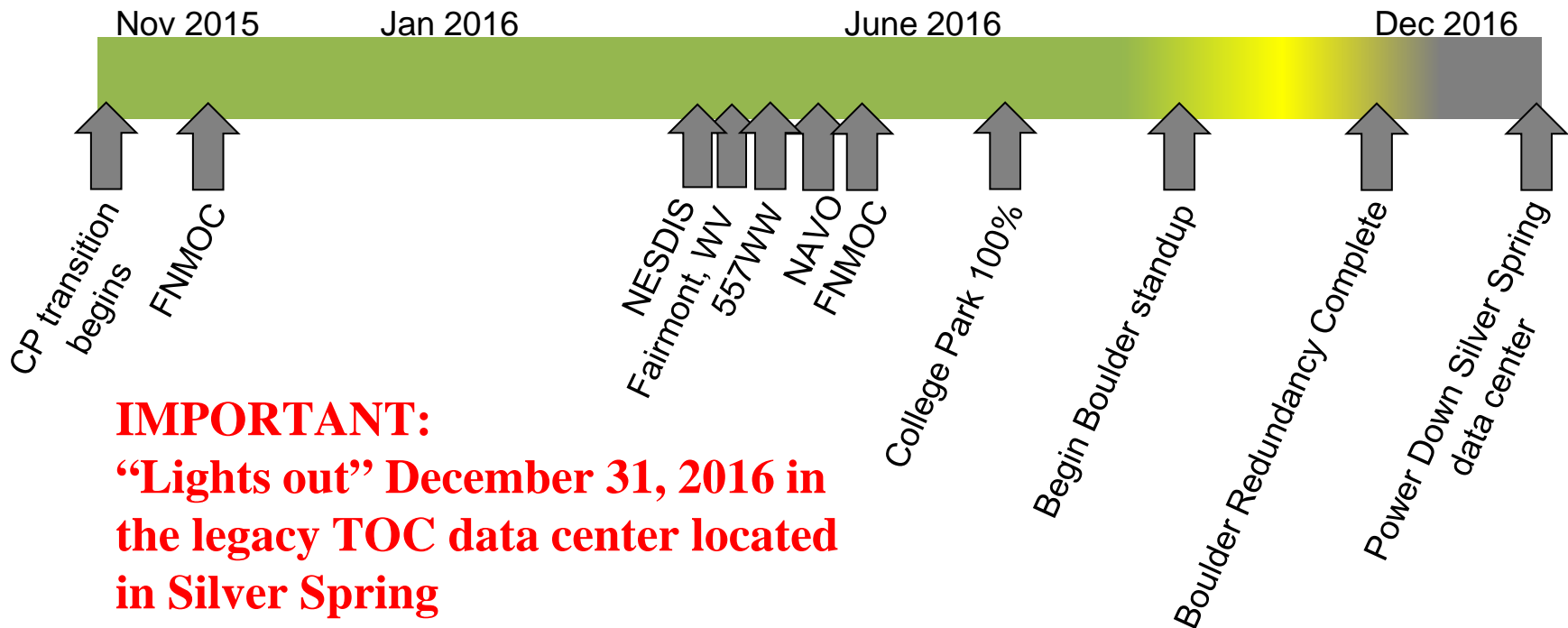
**Complete Outage =  
4 hours 14 minutes**





# Timeline

In April 2015, NCEP Central Operations (NCO) merged with the Telecommunications Operations Center (TOC). The goal being to merge organizational resources in both systems and personnel.





# COPC Coordination Items - IDP

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- **FNMOOC**
  - First round moved into IDP November, 2015. Second round is in early stages
- **557WW**
  - Accounts have been created for ftps and are being tested
  - The move from “tgdata” to IDP “tgftp” is awaiting careful coordination from the network teams between 557WW and NCEP
  - 557WW requested a new line to better support operations, NCEP is in the process of standing this up for testing
- **NAVOCEANO**
  - Accounts have been created for ftps and testing will begin soon
- **NESDIS**
  - In the processes of validating dual data feed



# COPC Coordination Items - Issues



- FNMOC file transfer issues
  - NCEP is tracking an issue with being unable to obtain a reliable feed from Monterey. Counting every job failure on the supercomputer, FNMOC has accounted for the following percentages:

Month, Year	% of all failed jobs by FNMOC
October, 2015	22
November, 2015	43
December, 2015	49
January, 2016	66
February, 2016	45
March, 2016	51
April, 2016	56

- At this time there is no immediate path to resolution, but dialog continues



# COPC Coordination Items - Successes

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- **FNMOOC**
  - Currently testing the 0.5 degree WW3 Ensemble that will be used in the next FNMOOC NCEP Combined Ensemble System (NFCEns)
  - In the process of receiving the 0.5 degree NAVGEM Deterministic model to replace the 1.0 degree
- **557WW**
  - As reported, NCEP recently began providing the 557WW Global Ensemble model publicly through NOMADS
- **NAVOCEANO**
  - NAVOCEANO has been working closely with EMC to coordinate updating the Real-Time Ocean Forecast System (RTOFS) off the soon to be upgraded HYCOM restart files



# QUESTIONS ?

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