REGIONAL ATMOSPHERIC PROFILNG CENTER FOR DISCOVERY (RAPCD)

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http://vortex.nsstc.uah.edu/atmchem/rapcd/rapcd.html

RAPCD Lidar Lab - View from Southwest



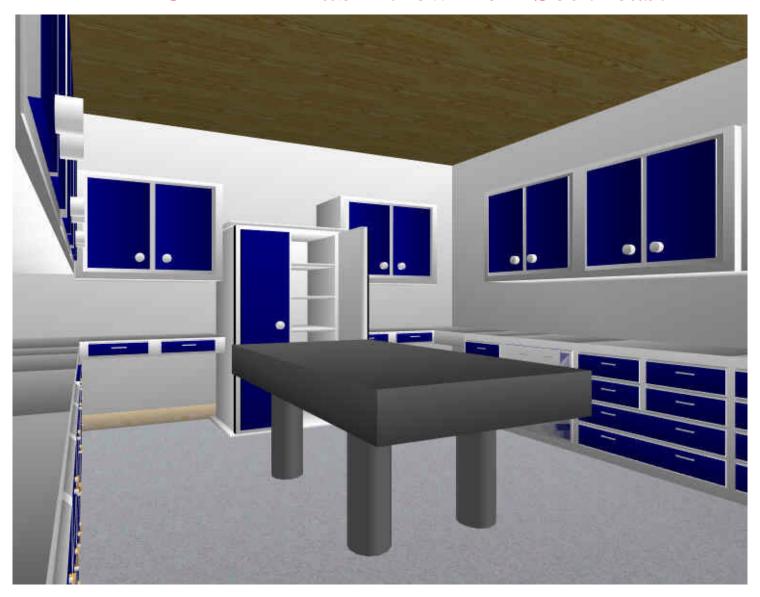
Schematic: benches, chimneys, and cabinets now installed

RAPCD Lidar Lab - View from Northeast



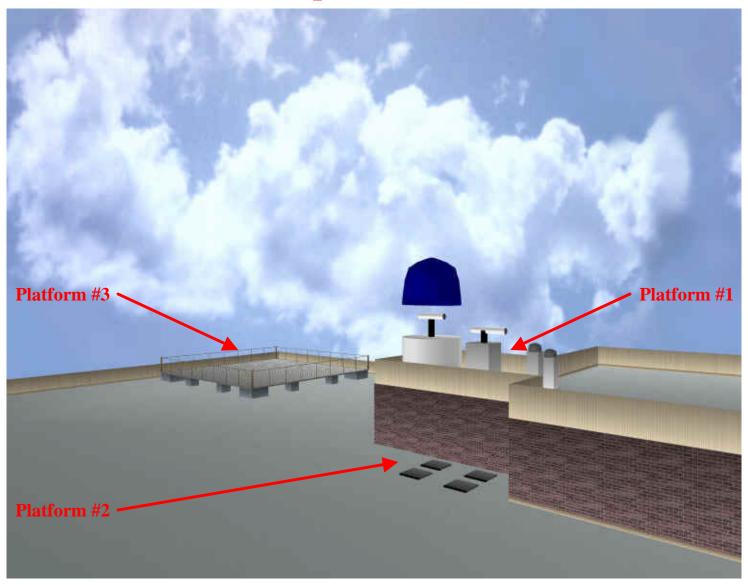
Schematic: benches, chimneys, and cabinets now installed

RAPCD FTIR Lab - View from Southeast



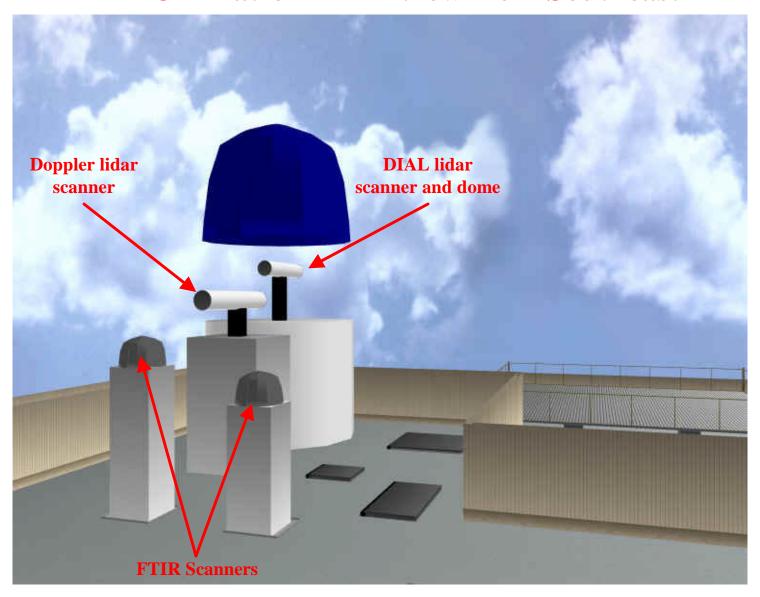
Schematic: benches and cabinets now installed

RAPCD Rooftop - View from Southwest



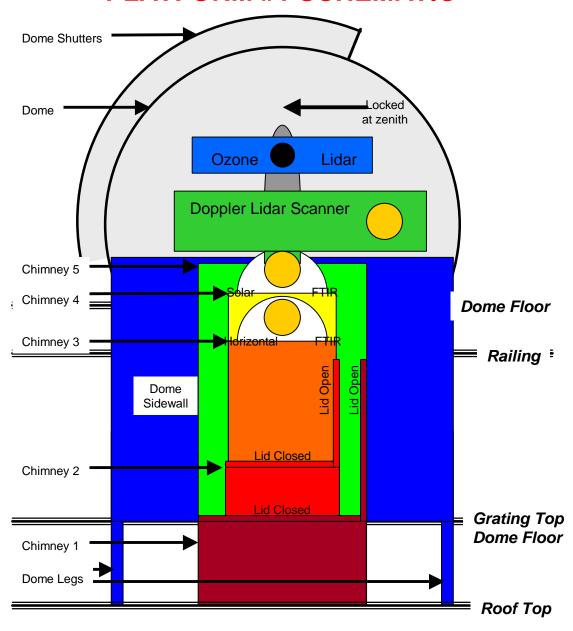
Schematic: platforms and chimneys now installed

RAPCD Platform #1 - View from Southeast



Schematic: platform and chimneys now installed; dome and scanners not present

RAPCD LINE OF SIGHT PLATFORM #1 SCHEMATIC



RAPCD Platform #1 - View from Northwest



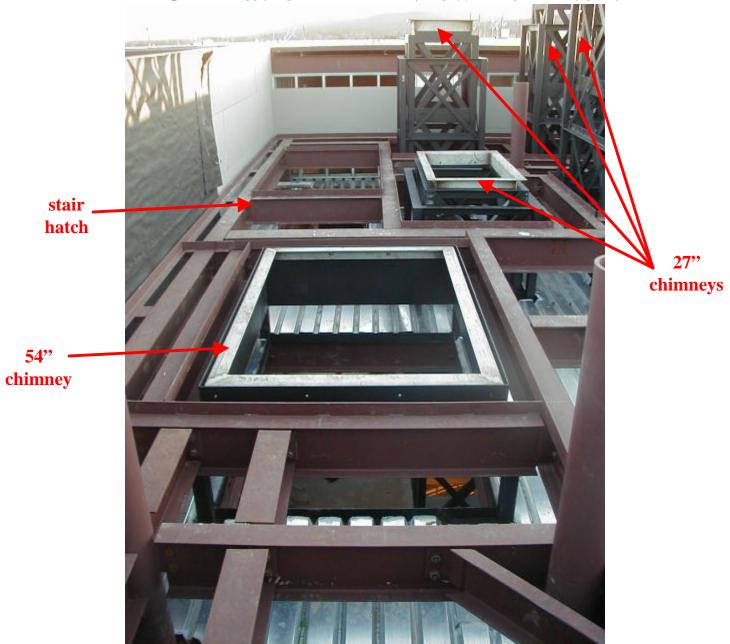
Construction Phase, showing steel vibration isolation cores: siding and hatches now installed

RAPCD Platform #1 - View from Northeast



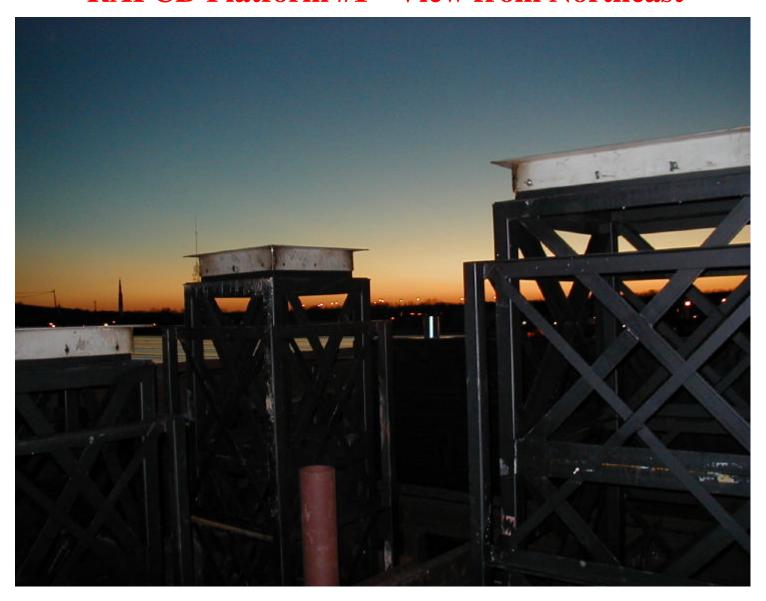
Construction Phase, showing steel vibration isolation cores: siding and hatches now installed

RAPCD Platform #1 - View from North



Construction Phase, showing steel vibration isolation cores: siding and hatches now installed

RAPCD Platform #1 - View from Northeast



Construction Phase, showing steel vibration isolation cores: siding and hatches now installed

RAPCD Platform #1 - ObservaDome Piers - View from Southwest



Construction Phase, showing dome base and vibration isolation piers; Dome not yet present

RAPCD Platform #3 - View from Southwest



Construction Phase: power and data now installed

RAPCD CONSTRUCTION SUMMARY

as of July 12, 2002

Infrastructure to be Provided

- Labs Base Bid functionality
- Conduits Base Bid functionality, rough-in for enhanced power and data
- Chimneys enlarged, with conduits and vibration isolation towers
- Platforms enlarged, with Base Bid power and data
- Dome foundation, with vibration isolation piers
- Lightning lightning protection system: status tentative

Infrastructure Completed to Date

- Basic structure, roof penetrations
- Platforms, chimneys, hatch lids, ladder
- Utilities and conduits almost complete
- Casework installation almost complete

Infrastructure Pending

- Ceilings, optical curtains, snorkels
- Utility bars over optical benches
- Floor, wall, and door finishing
- Optical benches (now on site)

Infrastructure not to be Provided

- Labs automatic laser interlocks, integrated superstructures
- Platforms enhanced power, data, floodlights, closed circuit cameras
- Dome 3-meter ObservaDome, with associated power, data, and accessories

Update September 10: All major pending infrastructure installed; occupancy imminent