

Summary of the 6th IAA Planetary Defense Conference (PDC)

April 29 -- May 3, 2019
College Park, MD, USA

Conference Participation Summary

- Conference co-chairs:
 - Bill Ailor, Gerhard Drolshagen, Brent Barbee
- 281 attendees
- Representing 22 different countries
- Included 33 members of the press
- Included 28 students
- 4,870 livestream viewers throughout the conference week
- 100 technical presentations
- 94 posters

Highlights

Welcoming remarks were provided by NASA Administrator Bridenstine and broadcast live to NASA



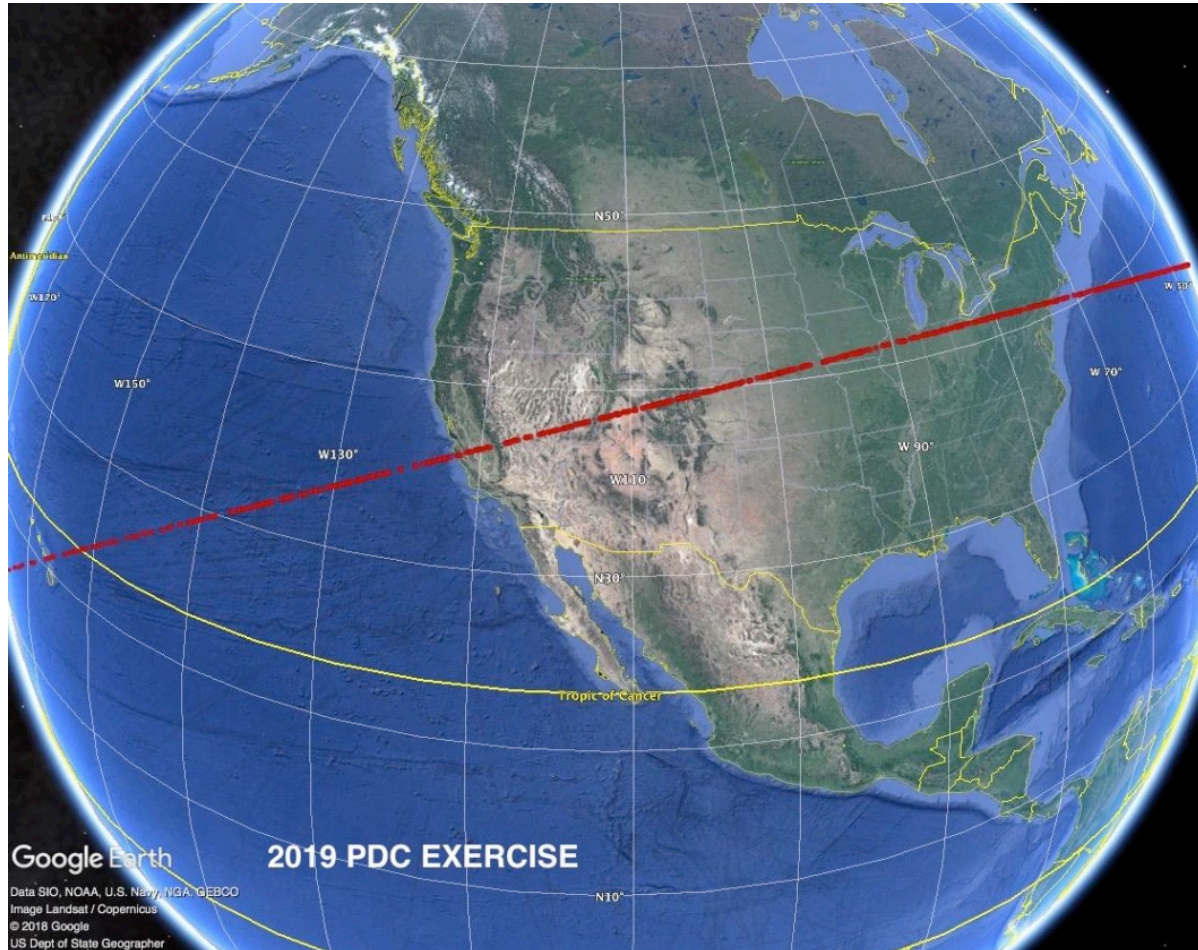


2019 PDC Sessions (single track)

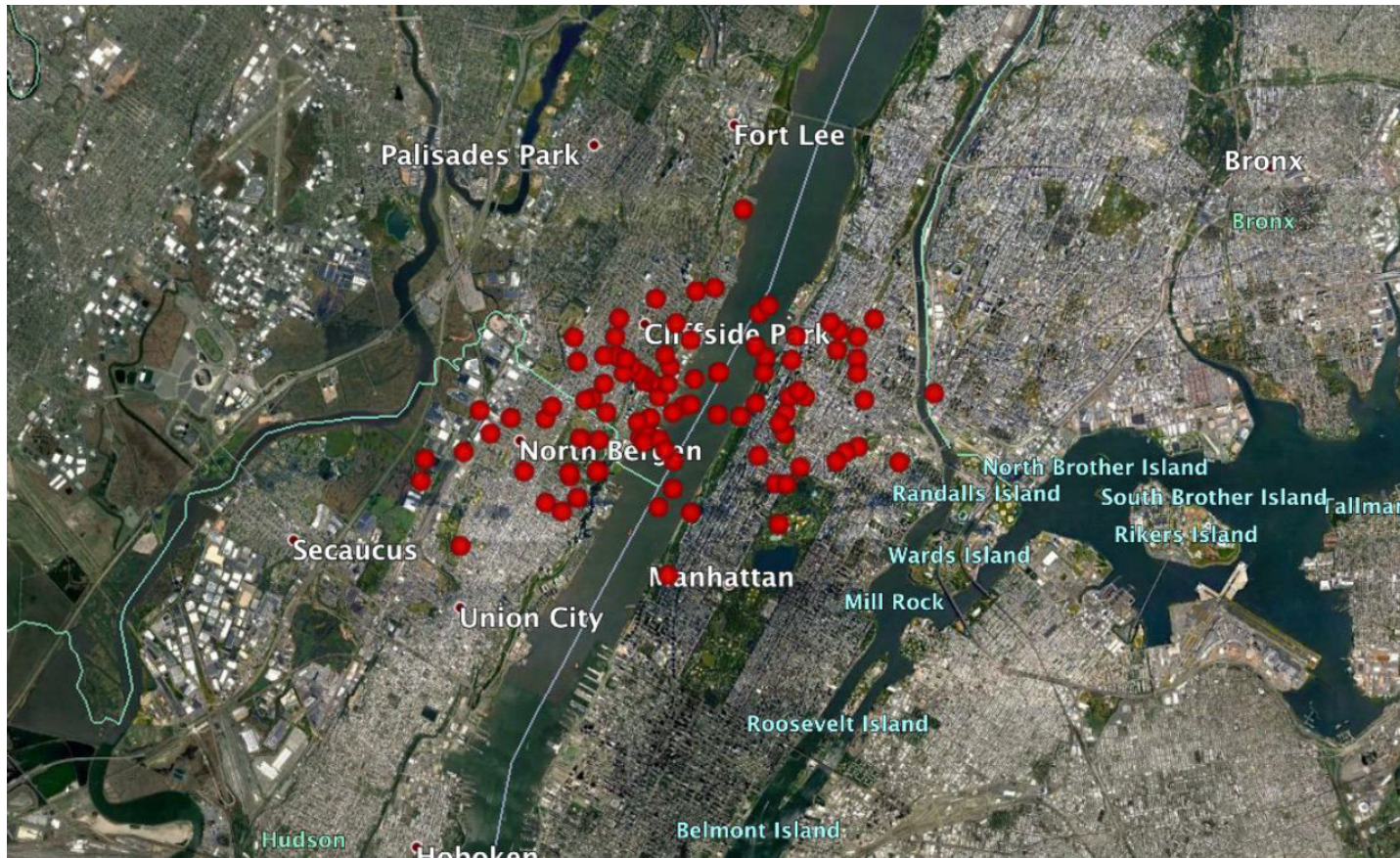
- 1.Key Developments
- 2.Advancements in NEO Discovery & Characterization
- 3.Apophis
- 4.Deflection & Disruption Models & Tests
- 5.Mitigation Campaign Design
- 6.Impact Consequences & Disaster Response
- 7.Issues Affecting Decision To Act
- 8.Communications To The Public

Impact scenario

A 180 m asteroid is heading for the Denver area



Deflection by 3 kinetic impactors is only partly successful! A 60 m fragment hits New York City



2019 PDC Statements of Support

Statements of support, available online, were produced during the conference for:

- **AIDA / HERA**

- <http://iaaweb.org/iaa/Scientific%20Activity/pdcstatement2.pdf>

- **NEOCam**

- <http://iaaweb.org/iaa/Scientific%20Activity/pdcstatement1.pdf>

- **The Apophis 2029 opportunity**

- <http://iaaweb.org/iaa/Scientific%20Activity/pdcstatement3.pdf>

2021 PDC

- 3 good applications were received for the PDC 2021
- **Selected was: UNOOSA in Vienna**
- The PDC 2021 will be held from 26 -30 April 2021