

# **NEW AERIAL SENSOR TECHNOLOGY**

**December 6, 2023**

## **STRATEGIC PARTNERS**



## New Sensor Technology

### Phase One, BlackBird Sensor



## New Sensor Technology

### Phase One, BlackBird Sensor

- **Surdex owns/operates 3 new sensors**
- **Improved optics and light sensitivity**
- **Less building lean due to the smaller Field of View (FOV) angle**
- **Higher flying height for acquisition of imagery with the same resolution**
  - **Results in less turbulence, which reduces motion blur**
  - **Reduces airspace complexity, allowing more rapid completion of a project**

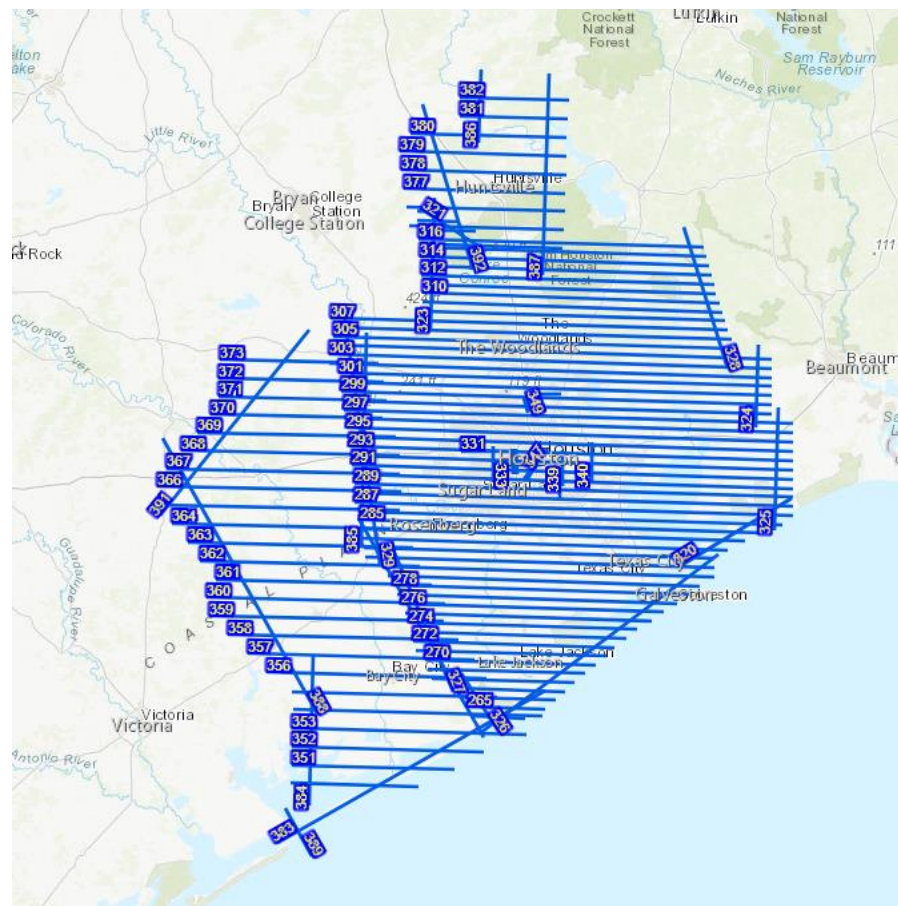
## New Sensor Technology

### 2024 Project Flight Plans

- 6" = 8,524 Sq. Miles, 12" = 5,446 Sq. Miles
- 5,985 Flight Line Miles
- ~30 Hours Online
- Flight Window: late December through February

## New Sensor Technology

### 2024 Project Flight Plans



# H-GAC Aerial Orthoimagery Project - Overview



**QUESTIONS?**