



## Exhibit J

**Space Sciences & Engineering (SSE), a subsidiary of Global Weather & Climate Solutions, Inc. and doing business as PlanetIQ**

To: Doug Young  
From: Chris McCormick  
CC: Dr. Erin Griggs  
Date: October 1, 2019  
Re: Spacecraft navigation signals vs. radio occultation signals

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Dear Mr. Young,

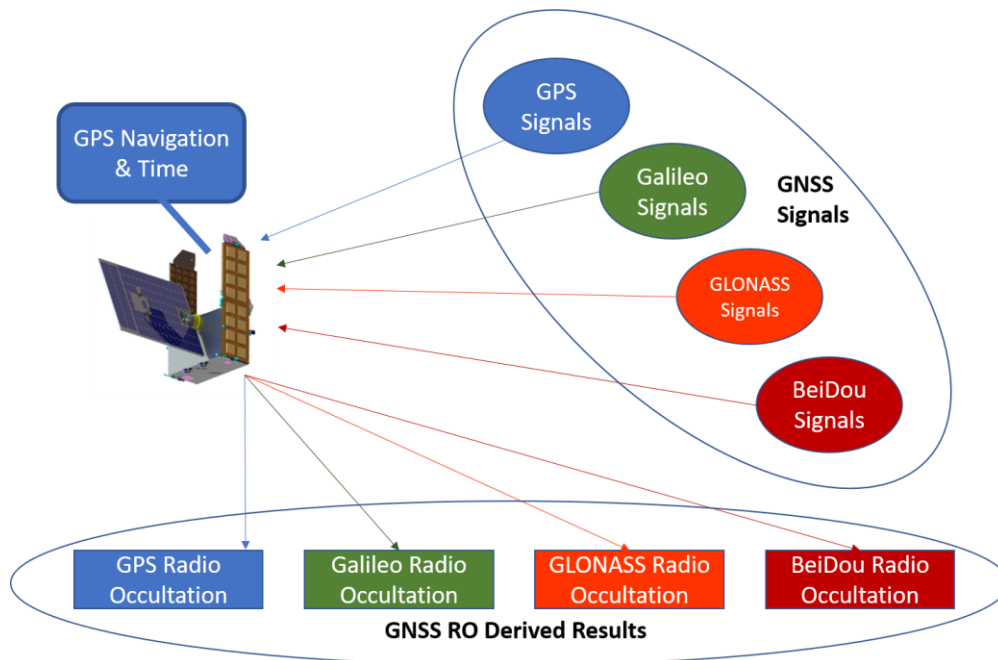
This exhibit describes our usage of the GNSS signals for our GNSS Radio Occultation mission.

**For Navigation:**

Our satellite uses GPS as its only input to our Precision Navigation and Timing (PNT) solution for our mission. We use the GPS PNT solution for all the basic spacecraft and instrument operational needs and as the sole reference for all of our scheduling for our Radio Occultation (RO) science.

**For GNSS Radio Occultation:**

We use the GPS time and position solution to create scheduling opportunities for the GNSS satellites based on our location and the location of all the GNSS satellites derived from their respective GNSS almanacs. Figure 1 depicts the core functions for our GNSS RO mission, in that we only use GPS for the PNT functions, and we use all the GNSS signals for our GNSS RO science.



**Figure 1**, ‘GNOMES’ satellite navigation, signal reception and RO science sources

Best regards,

*Chris C M McCormick*

Chris McCormick, Chairman  
PlanetiQ