

From: Joshua Kirschenheiter

To: Doug Young

Date: August 17, 2018

Subject: Request for Info - File # 0783-EX-ST-2018

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Message:

We will be doing initial calibration of the radar at 43.214N, 95.838W. We will be launching the balloon from 43.701N, 96.708W. The current wind trends indicate that the trajectory of the balloon should be bounded by a polygonal region of: 41.261N, 96.061W; 41.315N, 92.327W; 42.736N, 92.389W; and 43.704N, 96.707W. We have two test sites that we expect to be able to illuminate with the radar. Test site 1 is located at 42.765N, 95.553W, test site 2 42.077N, 96.015W. We expect to be able to illuminate one, both test sites. The beam width of the radar will illuminate a 40 km diameter centered at the test sites. If there are any particular "keep out" locations that we should not point/radiate we are flexible and can stay out of those zones. A picture has been added to the filing showing the expected test sites.