

Poster Session (P)  
Poster Lunch (1)

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## RESEARCH ON SUNGLINT POINT POSITIONING ACCURACY BASED ON GREENHOUSE GAS DETECTOR

### **Abstract**

Based on greenhouse gas detector of a satellite, the operation principle, system composition, and design scheme are introduced. It emphasizes on the method of the sunglint point positioning on the detector and particularly analyses two major factors: pointing accuracy of pointing mirror and calculation accuracy of sunglint position, which have an effect on sunglint point positioning accuracy. The theoretical analysis result of sunglint point positioning accuracy is less than 6.0km. That is in the allowed tolerant range. Physical verification system for sunglint point positioning accuracy is built. It shows that the physical verification result and the theoretical analysis result to be consistent. It provides a new verification idea for positioning accuracy analysis of similarity principle aim detection.