

## Analysis of landing site candidates required for system-level technical study

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### ● Abstract

Landing site selection and rover path planning on the Moon

### ● Reasons for using of JSS2

Inspection of the result of parallelisation of simulation tools, estimation of their execution times, and the execution of the simulation tools

### ● Achievements of the Year

It was found that the amount of memory required per process and the time required for process completion exceeded the limit of JSS 2 in the current calculation code. Therefore, we are studying ways to utilize computational resources of JSS2 by changing simulation method.

### ● Publications

N/A

● Usage of JSS2

● Computational Information

Parallelization Methods	N/A
Thread Parallelization Methods	N/A
Number of Processes	1
Elapsed Time per Case	0.00 hours

● Resources Used

Fraction of Usage in Total Resources\*1 (%): 0.01

Details

Computing Resources		
System Name	Amount of Core Time (core x hours)	Fraction of Usage*2 (%)
SORA-MA	0.00	0.00
SORA-PP	0.00	0.00
SORA-LM	0.00	0.00
SORA-TPP	0.00	0.00

File System Resources		
File System Name	Storage assigned(GiB)	Fraction of Usage*2 (%)
/home	339.16	0.23
/data	11,325.24	0.21
/ltmp	9,440.11	0.71

Archiver Resources		
Archiver System Name	Storage used(TiB)	Fraction of Usage*2 (%)
J-SPACE	0.00	0.00

\*1 Fraction of Usage in Total Resources: Weighted average of three resource types (computing, file system, and archiver)

\*2 Fraction of Usage: Percentage of usage relative to each resource used in one year