Commercial Removal of Debris Demonstration Phase 1

● Responsible Representative

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● Abstract

Commercial removal of debris demonstration (CRD2) is the world's first technology demonstration of removing large-scale debris from orbit. This project is launched in collaboration with private sector, aiming to commercialize space debris removal and develop new markets for private business.

● Reasons and benefits of using JAXA Supercomputer System

To use 3DCAD(CATIA)

● Achievements of the Year

Do not have useful output while just using CATIA for 3D model checking.

● Publications

N/A

● Usage of JSS

● Computational Information

Process Parallelization Methods	N/A
Thread Parallelization Methods	N/A
Number of Processes	1
Elapsed Time per Case	0.01 Second(s)

● **JSS3 Resources Used**

Fraction of Usage in Total Resources[1](%): 0.00

Details

Computational Resources		
System Name	CPU Resources Used (core x hours)	Fraction of Usage[2](%)
TOKI-SORA	0.00	0.00
TOKI-ST	0.00	0.00
TOKI-GP	0.00	0.00
TOKI-XM	0.00	0.00
TOKI-LM	0.00	0.00
TOKI-TST	0.00	0.00
TOKI-TGP	0.00	0.00
TOKI-TLM	0.00	0.00

File System Resources		
File System Name	Storage Assigned (GiB)	Fraction of Usage[2](%)
/home	50.00	0.05
/data and /data2	250.00	0.00
/ssd	250.00	0.06

Archiver Resources		
Archiver 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.

● **ISV Software Licenses Used**

ISV Software Licenses Resources		
	ISV Software Licenses Used (Hours)	Fraction of Usage[2](%)
ISV Software Licenses (Total)	0.30	0.00

[2]: Fraction of Usage：Percentage of usage relative to each resource used in one year.

● **ISV Software Licenses Used**