Minutes

Eashan:

Drag Control For ADCS? Thrusters won’t be used(?)

If Drag controls used, Process of Orbit Placing Will be one-shot and Error may cause problems in Deployment

\*\*Controls

Mother-Daughter Satellite interaction during Deployment of the Latter\*\*

Rajarshi+Yash:

Aerocube Series of Satellites for Application of Formation Flying

Laser Used for Attitude and relative Distance between Satellites

Magnetosphere Multiscale: Tetrahedral Arrangement

\*\*Does a General-Purpose Application Exist? i.e. Something that can Benefit People in General\*\*

\*\*Payload

Find some Payload Beneficial for Common Man\*\*

S-Band Pe Deal Chahiye!!

Pin-Puller: Deployment Mechanism

Normal Spring with Latch Door/Dynamo Wire

KickSat, OPAL Links:

<https://directory.eoportal.org/web/eoportal/satellite-missions/k/kicksat>

<https://directory.eoportal.org/web/eoportal/satellite-missions/o/opal>

Yogesh

Sensors: PiezoElectric, Capacitance based, Dynamo Wire Burning Out, Thrust Sensing (Accelerometer & Gyroscope)?

Sumit(Collab with Eashan):

Deployment of Daughter Satellites from Mother Satellites

Why not deploy from Back? Feasibility Issues!

Alok:

Reaction Wheels – Adams

Anup:

Inter-Satellite & Ground-to-Satellite Communication

Walker Delta Pattern

Radiation Measurement from Earth’s Surface

General Frequency Range for Inter-Satellite Frequency

Disturbance in Autonomous Operation of Constellation Arrangement

Sandip:

Daughter pe Demands