**NLM NFA Tasking Memo**

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| **Mission:** | KASI/SNIPE (Small scale magNetospheric and Ionic Plasma Experiment) |
| **Classification (none, sensitive, etc.):** | NONE |
| **Type:** | Initial |
| **Version:** |  |
| **Specific effort (Mission, AO, etc.):** | KASI/NASA Cooperative |
| **Funding source:** |  |
| **Request Date/Originator:** | 4/27/21, B.Johnson |
| **Review Distribution List:** | B.Johnson, J.Burke |
| **Authorization Date/Authority:** | Leave blank. This field is completed by the NLM group. |
| **Date Loading Analysis needed:** | 4/30/21 |
| **Attachments:** | N/A |
| **Spreadsheet only and/or full NFA report:** | Full with spreadsheets first w/ground track for each option |
| **Post to NGIN or not (Y/N):** | Enter N |
| **NRR or MORR NFA summary needed (Y/N):** | Enter N |
| **Additional products needed:** | None. |
| **Principal Proposer:** | Cooperative KASI/NASA |
| **Number of Spacecraft:** | 4 |
| **Mission Duration:** | 1 year |
| **Launch Vehicle:** | Soyuz |
| **Launch Date:** | 11/30/2021 |
| **Launch Site:** | Baikonur |
| **Networks:** | NSN/DTE |
| **Network Resources:** | Option 1: ASF & WG1  Option 2: ASF & SGS |
| **Orbit Data / Launch Profile:** | 500km circular, SSO, inc = 98.7⁰, LTAN = 2100  Assume average in plane separation = 50km |
| **Analysis Phases and Period:** | Nominal Ops: 30 days starting 3/1/22 |
| **Command and Telemetry Data:** | S-band d/l only @ 1 Mbps, QPSK, R-S, Rate ½ CC |
| **Service Requirements:** | 3 contacts/day total for any 2 s/c (sequence is Day 1 s/c 1&2, Day 2 s/c 3&4), alternate 3rd contact between each s/c in pair, max = 3 contacts/day, minimum duration = 2 minutes, average = 5 minutes |
| **Service Desirements:** | Desired 2 contacts/day per s/c in each pair, max = 4 contacts/day |
| **Special Considerations:** | Only 1 s/c contact at a time, same specific frequency is shared among s/c |
| **TDRS FOV** | N/A. |
| **Additional Notes of Interest** | SAFS/CSAFS will be used for post-pass delivery of received data. |