Exhibit 1

Orbital Sciences Corporation ("Orbital") will be providing service to the U.S. Government in connection with the SeaStar Ocean Color Project. This program is being conducted under the auspices of the National Aeronautics and Space Administration ("NASA"). The SeaStar Ocean Color Project is an Earth ocean environmental monitoring and multi-spectral image remote sensing program that will utilize a single satellite in low-Earth orbit being operated by Orbital (subject to certain operational controls by NASA described below).

Pursuant to a contract with NASA, Orbital will provide data to NASA by downloading to NASA's facilities at Wallops Island stored global area coverage ("GAC") and local area coverage ("LAC") information gathered while the satellite orbits the Earth. In addition, to provide backup to NASA's Wallops facilities, Orbital will also receive and archive the information at its Fairmont, West Virginia satellite tracking facilities, which are within view of the satellite when it is downloading to Wallops. NASA has the authority to control when and where the S-Band data download is to occur.[1/] Orbital is downloading this information in the S-Band (2272.5 MHz) to be compatible with NASA

1/ Orbital and NASA are specifying procedures to ensure that NASA will retain operational control over certain aspects of the SeaStar project. The procedures designate the different points of contact and delineate the process for addressing any problems of interference caused by the SeaStar system, including telephonic notification to provide immediate cessation of interfering emissions, if necessary.

current facilities at Wallops. This S-Band downlink will also be used to download spacecraft state-of-health telemetry information.

Under the contract, NASA has requested that within the operational constraints of the spacecraft (i.e., daylight portions of the orbit within power constraints), Orbital transmit LAC information on a full-time basis in the L-Band (1702.5 MHz) so that it can be received by research facilities of NASA and others around the globe. This L-Band will also be used to downlink real-time spacecraft state-of-health information to the Orbital West Virginia tracking station. In addition, Orbital intends to utilize a S-Band Telecommand Uplink (2092.59 MHz) from its West Virginia tracking facilities for command and control of the spacecraft.

Orbital believes that grant of this application for an experimental/developmental license will well serve the public interest through the provision of services necessary for the SeaStar Ocean Color Project. The data gathered during this mission will provide valuable information to NASA concerning variability of oceanic chlorophyll concentration, oceanic bi-optical properties, and uptake of carbon dioxide for monitoring climactic change.

Pursuant to its contract with NASA, Orbital will also be able to make commercial use of the data that is being obtained for NASA. Orbital intends to market to commercial customers the archived GAC information from its Fairmont, West Virginia facility. In addition, Orbital will allow commercial customers

to gain access to the L-Band LAC data streams that the spacecraft will be continuously transmitting during portions of the spacecraft orbit.

It is not clear whether FCC licensing of any of the transmitters is necessary, since the transmissions will be in fulfillment of a government contract, and NASA is obtaining the proper authorization through NTIA. However, recent legislation[2/] raises questions concerning the need for FCC licensing in a situation such as this -- involving the collateral sale of data furnished to the government utilizing governmental spectrum authorizations -- so out of an abundance of caution Orbital is seeking a developmental license from the Commission.

The subsequent sale of data to private entities will also well serve the public interest by providing extensive research materials and/or valuable information to companies, who in turn can operate more efficiently. Moreover, provision of the information to private parties will not degrade or otherwise detract at all from the valuable data being provided to NASA in support of its mission. Thus, to avoid any question of Orbital's compliance with licensing obligations and thereby ensure that the potential benefits from these activities are realized, Orbital urges the Commission expeditiously to grant whatever authorizations are necessary.

2/ 47 U.S.C. § 903(e).

Exhibit 2

SEASTAR SPACECRAFT ORBITAL PARAMETERS

PARAMETER	MEASUREMENT
Apogee	705 kilometers
Perigee	705 kilometers
Inclination	98.2 degrees
Period	98.2 minutes

Exhibit 2

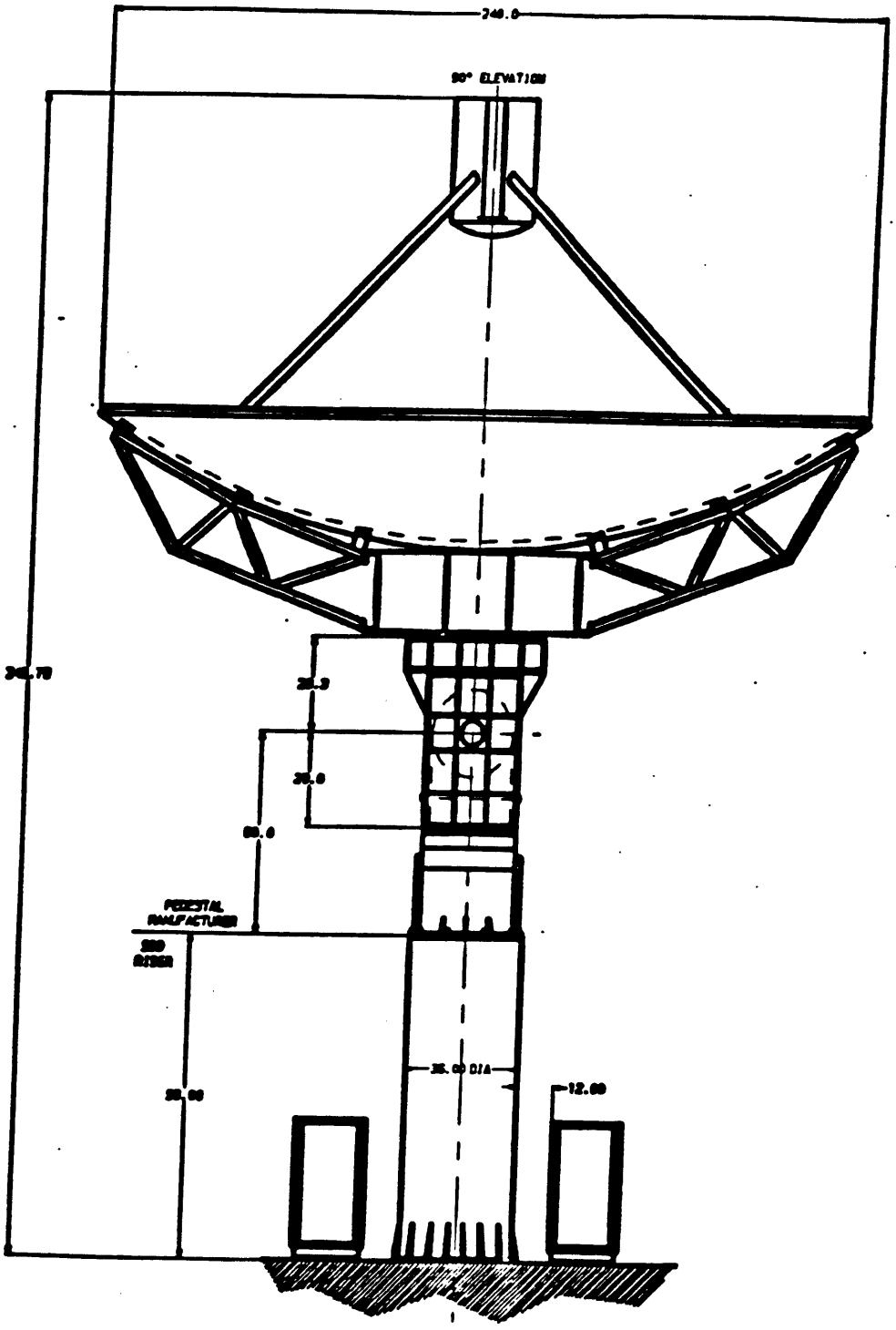
SEASTAR SPACECRAFT ORBITAL PARAMETERS

PARAMETER	MEASUREMENT
Apogee	705 kilometers
Perigee	705 kilometers
Inclination	98.2 degrees
Period	98.2 minutes

Exhibit 2

SEASTAR SPACECRAFT ORBITAL PARAMETERS

PARAMETER	MEASUREMENT
Apogee	705 kilometers
Perigee	705 kilometers
Inclination	98.2 degrees
Period	98.2 minutes


240.0
90° ELEVATION
245.70
25.0
20.0
80.0
PEDESTAL
MANUFACTURER
DIA
35.00 DIA
12.00

RF Properties

Antenna Diameter	:	20 feet	parabolic reflector
Frequency (Receive)	:	1680-1720 MHz RHCP	
(Receive)	:	2200-2300 MHz RHCP	
(Transmit)	:	2025-2110 MHz LHCP