# SPACE STATION SERIES SPACE STATION WORK PACKAGE 2 (ROCKWELL)

These documents consist of reports generated by Rockwell International between the years 1985 and 1986. For the most part, they consist of definition and preliminary design phase or work package 2 advanced development reports. They were collected from the Space Station Project Office and arranged in numerical order by item number. REFERENCE NOTATION - See Also; Rockwell Documents NAS9-9953 for the years 1969-1972, which deals primarily with Space Station Phase B definition studies. See Also; Rockwell Documents NAS9-15718 for the years 1978-1980, Space Construction Analysis Study and NAS9-16153 for the years 1980-1982, Space Operations center. Both of these studies - NAS9-15718 and NAS9-16153 were preliminary studies for the present Space Station work begun in 1984.

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June 6, 1986

SSS86-0073, Volume 8, Work Package 2 Definition and Preliminary Design Phase, Guidance, Navigation, and Control Report

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SSS86-0073, Volume 10, Work Package 2 Definition and Preliminary Design Phase, Resource Integration Report

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SSS86-0073, Volume 12, Work Package 2 Definition and Preliminary Design Phase, Communications and Tracking Report

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SSS84-0001-1, Proposal for Space Station Definition and Preliminary Design, Volume 1: Technical Proposal, Response to RFP 9-BF-10-4-01P

November 15, 1984