

ISS sometimes transmits SSTV

e.g. Feb & Apr 2019



Required equipment:

VHF FM rcvr 145.800 MHz

SSTV software



Better equipment:

QFH or turnstile antenna

preamp at antenna



What causes Fading (QSB)?

Few passes are high elevation

Polarization

Interference (QRM)

Doppler shift



Fading (QSB) mitigation?

QFH or turnstile antenna

Steerable antenna

RHCP

Preamp at antenna

gpredict to mitigate Doppler



Low elevation pass

Large redwood trees in the way



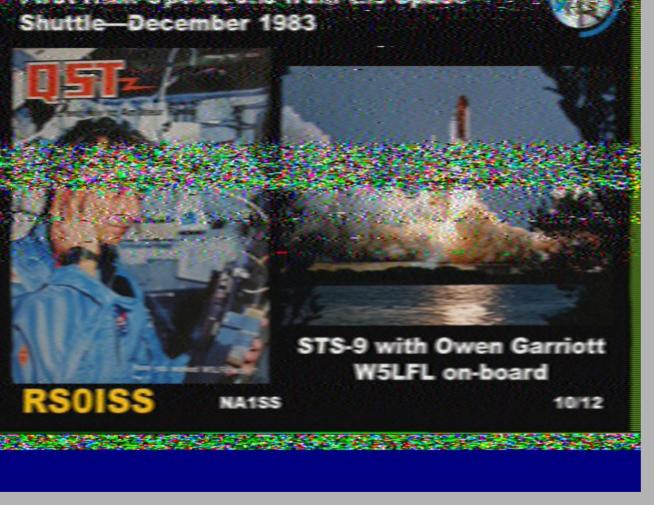
Low elevation pass



Fading probably caused by:

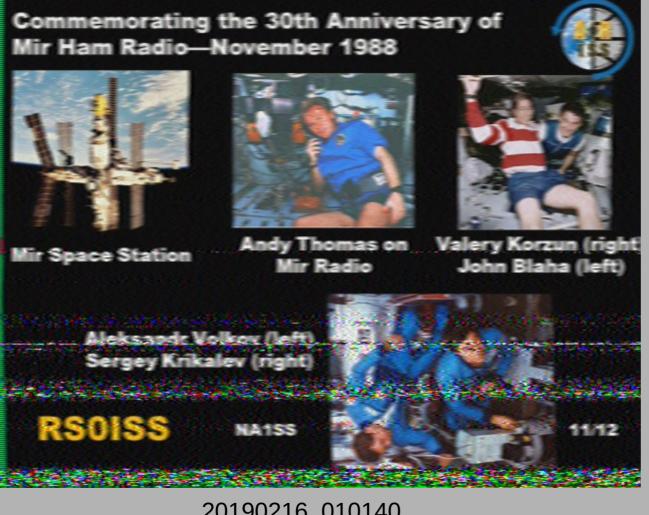
Low elevation pass

VHF QRM



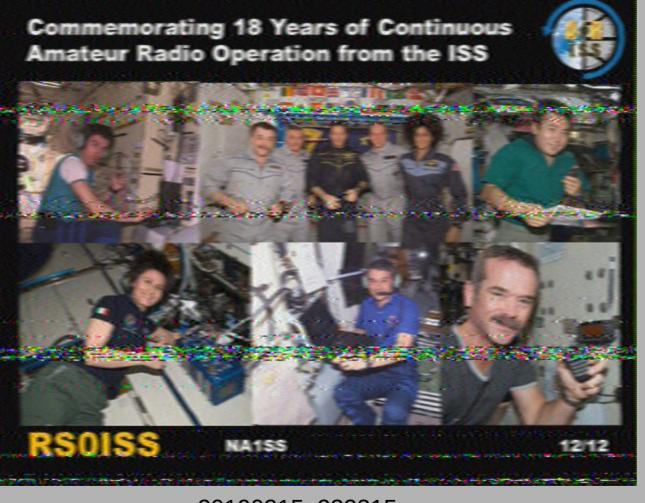
Low elevation pass

VHF QRM



Low elevation pass

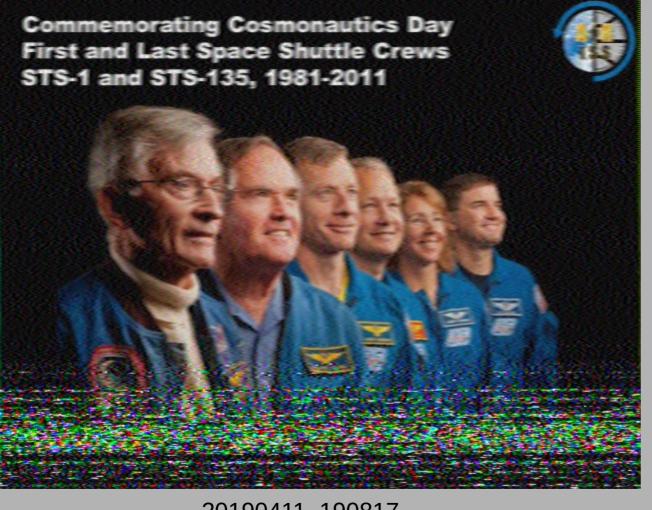
20190216 010140



Low elevation pass



1st image from high elevation pass, i.e. near overhead pass.



2nd image from a high elevation pass,

Overhead pass lasts 10 min, enough time for 2 images.

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