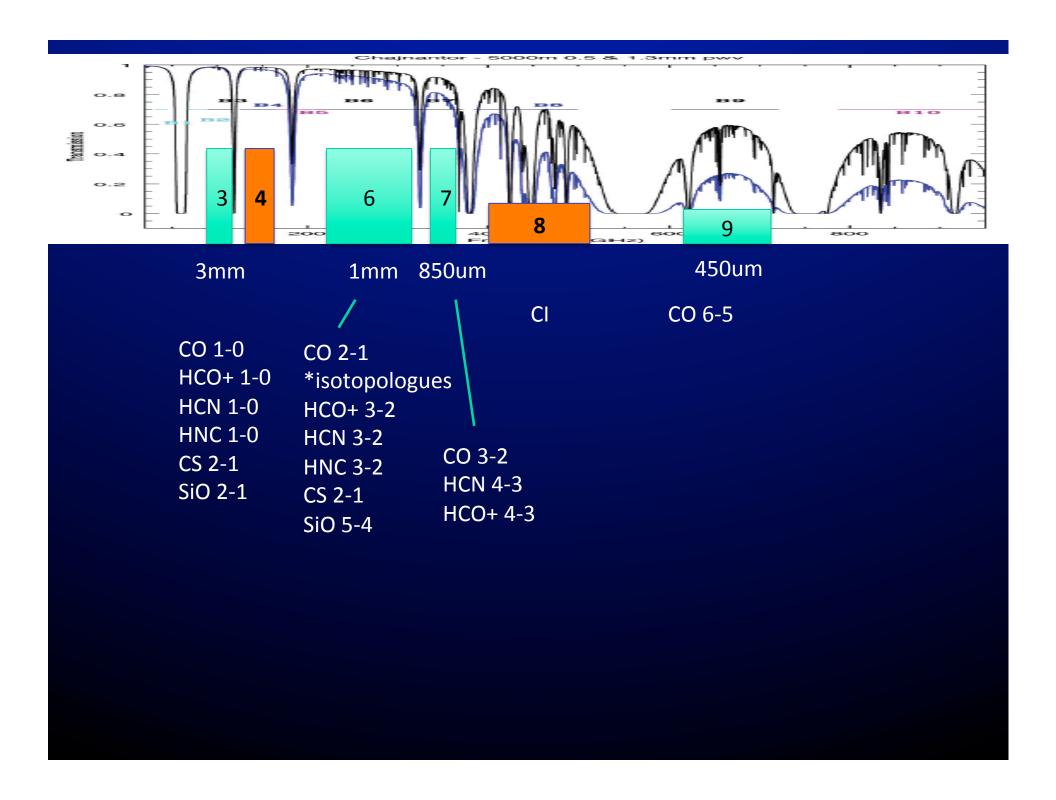
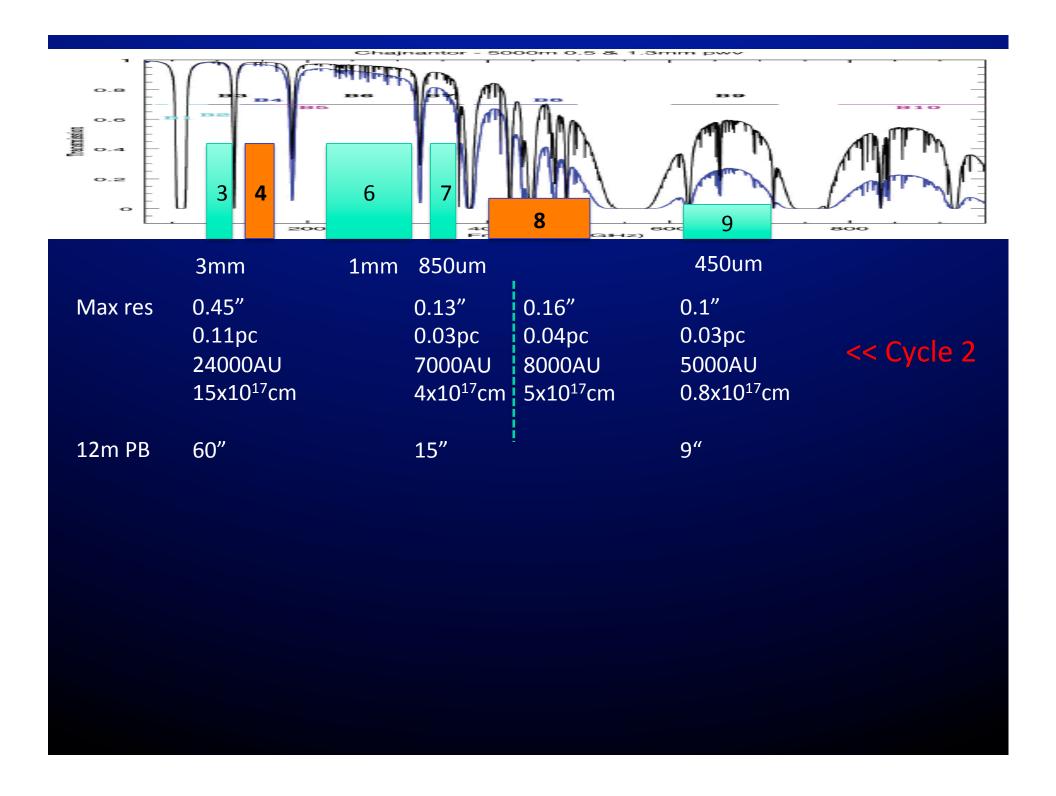
ALMA and the Magellanic System







Cycle 0: 30 Doradus: CO 2-1 RI++ 2013 HCO+, HCN, CS Brogan++ 2015 detailed comparison with YSOs: 2015

87a: overview RI++ 2013
ALMA+Herschel SED: Matsuura submitted spectral index maps: Zanardo submitted

Cycle 1: CO in N159 (Fukui) - data in hand, 7m+12m maps being made – paper planning Wed.

CO in LMC giant molecular clouds (Kawamura) – data almost delivered (some QA issues)

CO in N11B (Lebouteiller) -- data looks good - talk to him here about planning

CO in N55 (Onishi) – data delivered

LMC Molecular Clouds at Various Evolutionary Stages (Sawada)

87a: high resolution – B7 observed

A low metallicity cloud in the Magellanic Bridge (Rubio) – some 7m observed

Cycle 2: SMC N83 (Onishi) – some 7m observed SMC south (Jameson) – some 7m observed isolated YSOs (Onishi) – some 7m observed most massive YSO (Seale > Meixner) 87a: spectral line survey (Matsuura and RI – 2x) N132D SNR: (Sano) mid-infrared excess sources (Srinivasan) AGB stars (Groenewegen) An exceptionally cold cloud in the LMC (Wong) H/H2 transition in the Bridge (Stanimorivic) Kinetic temp of LMC GMCs (Henkel)

Cycle 2 Operations Status

Single Dish calibration finally understood, software updates in progress

now-Nov: long baseline commissioning campaign

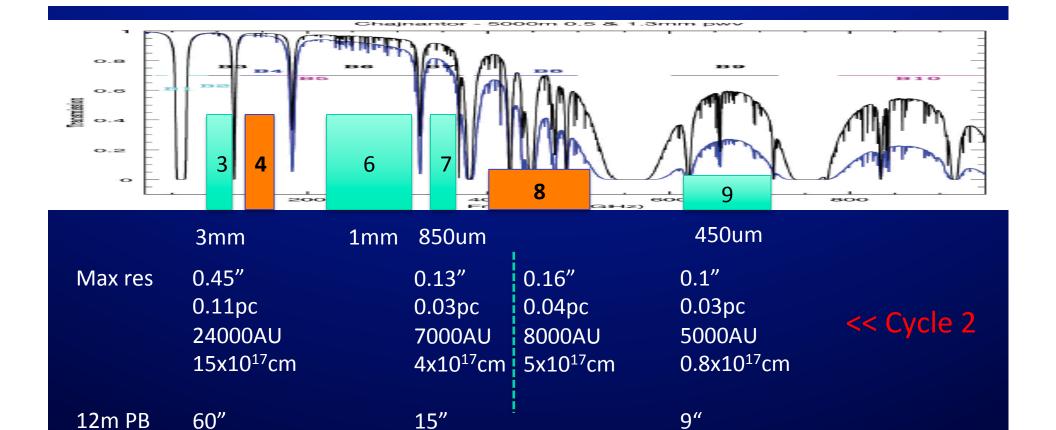
Dec/Jan: smaller configurations

~Feb+: weather/engineering shutdown

>> may not get high-res Magellanic data until mid- 2015 🕾

Cycle 3 proposal deadline Spring 2015, for observing to begin ~Oct





Cycle 3:

- -- continuum polarization; line/Zeeman maybe
- -- B10? 800-1000GHz
- -- probably longer baselines, but how much 2x?? 3x???

Cycle 3 Possibilities:

- more butterflies in CO? maybe if special, SMC/wing
- big CO survey of GMCs personally, I doubt it before we analyze what we have
- big CO survey of one region e.g. the ridge 100 sq arcmin LARGE proposal
- more SNR previous cycle submissions were solid
- more interesting lines: usual suspects are HCN, HCO+, CS, & isotologues for clump/core science, but why do it in the MC?
- polarization and dust physics
- CI and/or high-J CO, PDR physics remember TINY regions (<sq arcmin)
- if we really get much higher angular resolution (few 1000 AU at mid-freq bands),
 - individual MYSOs
 - mass loss from high-mass AGB/PPN
- -- what else?