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|  | DY181 | CTD number *nnn* |  |  |  |  |  |  |  |  |  |  |
|  | Step | Notes and output |  |  |  |  |  |  |  |  |  |  |
| N | DatCnv.psa | DY181\_CTD\_*nnn*.cnv |  |  |  |  |  |  |  |  |  |  |
| M | stn = *n*; ctd\_all\_part1  mctd\_01  mctd\_02  mctd\_03  mdcs\_01  mout\_1hz\_asc | ctd\_dy181\_*nnn*\_raw\*.nc  ctd\_dy181\_*nnn*\_24hz.nc  ctd\_dy181\_*nnn*\_psal.nc  dcs\_dy181\_*nnn*.nc  ctd.*nnn*.02.asc |  |  |  |  |  |  |  |  |  |  |
| M | mdcs\_03g(stn) | Select or confirm cast start/bottom/end  dcs\_dy181\_*nnn*.nc |  |  |  |  |  |  |  |  |  |  |
| M | Edits to opt\_dy181.m: | a) If Niskins leaking or misfired, add flags under mfir\_01 case  b) If cast not full-depth, add water dep in best\_station\_depths case |  |  |  |  |  |  |  |  |  |  |
| M | stn = *n*; ctd\_all\_part2  mctd\_04  mfir\_01  mfir\_03  mwin\_01  mwin\_to\_fir  mfir\_to\_sam  station\_summary  mdep\_01 | ctd\_dy181\_*nnn*\_2db.nc  ctd\_dy181\_*nnn*\_2up.nc  fir\_dy181\_*nnn*.nc  win\_dy181\_*nnn*.nc  sam\_dy181\_all.nc |  |  |  |  |  |  |  |  |  |  |
| M | stn = *n*; mctd\_checkplots |  |  |  |  |  |  |  |  |  |  |  |
| M | stn = *n*; mctd\_rawshow | Look for spikes, bad ranges |  |  |  |  |  |  |  |  |  |  |
| M | mctd\_rawedit(stn);  mctd\_rawedit(stn,’oxy’); %if necessary  And/or edits to opt\_dy181.m under ctd\_proc, rawedit\_auto | If edits required  ctd\_dy181\_*nnn*\_raw\_cleaned.nc |  |  |  |  |  |  |  |  |  |  |
| M | stn = *nnn*; ctd\_all\_postedit  mctd\_02  mctd\_03  mctd\_04  mfir\_03  mfir\_to\_sam  mout\_1hz\_asc | If edits done  Updates \_24hz, \_psal, \_2db, \_2up, fir, sam, and ctd.nnn.02.asc files. ctd.*nnn*.02.asc |  |  |  |  |  |  |  |  |  |  |
| M | run\_proc\_ladcp(stn) | Plots and .mat files (inspect plots when finished) |  |  |  |  |  |  |  |  |  |  |

CTD metadata update and bottle data log

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| Date/time and station range included | msbe35\_01 | station\_summary; mdep\_01(stn) %after LADCP proc | msal\_01 | moxy\_01 | mnut\_01 | mout\_cchdo\_exchangeform(stn) %and sync to public drive |
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