

The Atmosphere: Liquid Nitrogen (LN_2), Liquid O₂ (LO_2), Solid CO₂ (dry ice) & Water Vapor

! "#\$%& ' (&) # * &+, %#+- . / - & \$% 0 \$#+1% 23₂ , . %&, " & \$, 04 &+, \$% 5 \$ && 6%, " & * 78.) % 9. * (. + &+, \$% #+%, " & 7#)% 7). 0+4% 0% :% 23₂ " 7\$% 7%, & * (& 7, 0) &%. ;% <=>? @% 7+4%;) && A#+1% 7+4% \$ " 7,, &#+1% 7%; / . B&)% \$% 7/B7C\$% # * () && \$%-&: %D. 0)#+1% 23₂ #+, . 7+& * (, C%. 47% 97+% 970\$&& 7%, " #+/% 7C&). ;% #E0#4%. ' C1&+, . %; .) * % . +% , " &%. 0, #4&% 7+4% 4#(. ; ; @ F₂ #\$. +& . ;%, " &%, " #+1% B&& ' 7/&% 7+4% \$. / #4@ F₂ 97+G&% 4). ((& 4% #+7% 9. +, 7#+&%. ;% B7, &%, . % * 7H&% 5B#, 9" && G)& B6&.; & 9. ;% 17-#+1%, " & \$, 04 &+, \$% G/. B% 7#)% +, . %, " &% 23₂ 970\$&& B7, &%) -7 (.)%, . % 9. +4&+\$&%. 0, % * 7H#+1% 59/. 04\$6:%

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- @/87)(/7\$, #9%, . (%); . * %7%7)1&%4\$ (. \$7G/&%7/0 * #+0 * %). 7\$, #+1% (7+%) "#\$%& '#() *+L%
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L N (LN₂) E

Safety Note %Y. 0% B#/G&%1#- &+7%4&B7)%B#, "%ZR< K%2. ;% #E0#4%#), . 1&+;%23₂ #\$%& ',)& * &/C%9. /4[% N(#/#+1%#, . +%C. 0%97+%970\$&%\$&). 0\$%;). \$, RG#, &%GO)+\$[%D. 0)#+1%\$. * &%. +%0+(. , &9, &4%\$H#+%\$% /&%\$% 47+1&). 0\$%, " 7+%. +%9. , "#+1%#+9. +, 79, %B#, "%\$H#+: %Y. 0) %\$H#+%\$%\$. %" . ,)&/7, #-&%, . %23₂, " 7, %, " &)&%\$% 7+%, #7% \$" #&/4+1%&; &9, %97//&4%, " %2&%4&+;). \$, % \ 7)) #&%, " 7, . ;&)\$%\$. .), R, &)* % (. , &9, . +%717#+\$, %, " &%;)&&A#+1%&; &9, %\$. ;%23₂; %Y. 0% B#/ +. , #9&%, " %\$%&C. 0(. 0) %\$. * &%. +%7+ . +R 97)(&,&4%; / . .)%! "&%23₂). // \$7) . 0+4%7\$%#,%#%\$%7%#, /&%". -&)R9)7; ;% ! "#\$%\$, " %97\$&%7\$%, " &%; / . .)% , 1(.)1(*)152T\$&[

G/.B#+1%,").01 "%,"&%\$,)7B%.+.%.,"&%\$0);79&%.%;,"&%2320+.,%4#)&9,/C%#+,.%"&%232L%#+%,"&%N,C).;.7 * %
9.+,7#+&):%! "&%B "#,&%9/.04%, "7,%;.) * 9/9/.04%.)18.3 (%) -2603.6 (%) -2714.7 (%) 8M&^#+0.+99 "7,%\$9/.)18.3 (%) -26