

NOV 0 5 1969

Shornton

Addressees:

AA/R. R. Gilruth
AB/G. S. Trimble
CA/D. K. Slayton
CB/A. B. Shepard (49)
CF/W. J. North
CF13/D. F. Grimm
CF212/C. Jacobsen
CF212/W. Haufner
CF212/W. Hinton
CF2/J. Bilodeau
CF22/C. C. Thomas
CF22/D. L. Bentley
CF22/R. L. Hahne
CF22/M. C. Gremillion
CF22/W. B. Leverich
CF22/T. H. Kiser
CF24/P. Kramer
CF24/J. Rippey
CF24/A. G. Nolting
CF24/M. C. Contella
CF24/D. W. Lewis
CF24/D. K. Mosel
CF3/C. H. Woodling
CF32/J. J. Van Bockel
CF32/M. F. Griffin
CF33/M. Brown
CF33/C. Nelson
CF34/T. W. Holloway (6)
EA/M. A. Faget
EA2/R. A. Gardiner
EA4/J. Chamberlin
EA8/J. B. Lee
EA8/P. M. Deans
EB/P. Vavra
EE/L. Packham
EE/R. Sawyer
EE13/M. J. Kingsley
EE13/R. G. Irvin
EE3/R. L. Chicoine
EE6/G. B. Gibson
EE6/R. G. Fenner
EE6/J. R. McCown
EP2/W. R. Hammock
EG/R. G. Chilton
EG/D. C. Cheatham
EGL3/W. J. Klinar
EG2/K. J. Cox
EG2/E. E. Smith
EG25/T. V. Chambers
EG27/W. R. Warrenburg (2)
EG27/H. E. Smith
EG7/C. T. Hackler
EG7/J. Hanaway
EG8/B. Reina
EG8/A. R. Turley
EG44/C. W. Frasier
EG/MIT/T. Lawton
KA/R. F. Thompson
PA/G. M. Low
PA/O. G. Morris

PD7/R. H. Kohrs
PA/K. A. Kleinknecht
PA/S. H. Simpkinson
PA/J. A. McDivitt
PA2/M. S. Henderson
PB/A. Hobokan
PC/W. H. Gray
PD/O. E. Maynard
PD/R. V. Battey
PD12/C. D. Perrine (5)
PD13/A. Cohen
PD14/R. W. Kubicki
PD6/H. Byington
PD7/W. R. Morrison
PE/D. T. Lockard
HA/J. P. Loftus
TJ/J. H. Sasser
TJ/R. L. Nance
TH3/J. E. Dornbach
CO7/J. Nowakowski
FA/C. C. Kraft, Jr.
FA/S. A. Sjoberg
FA/C. C. Critzos
FA/R. J. Rose
FA4/C. R. Hicks
FC/E. F. Kranz
FC/C. E. Charlesworth
FC/M. Windler
FC/J. W. Roach
FC/G. S. Lunney
FC/G. D. Griffin
FC2/C. S. Harlan
FC2/H. M. Draughon
FC2/J. H. Temple
FC25/C. R. Lewis
FC27/W. E. Platt (3)
FC3/A. D. Aldrich
FC3/N. B. Hutchinson
FC35/B. N. Willoughby (3)
FC35/R. Fruend
FC4/J. E. Hannigan
FC4/4/R. L. Carlton
FC4/J. Wegner (2)
FC4/H. Loden (3)
FC5/J. C. Bostick
FC5/P. C. Shaffer
FC54/J. S. Llewellyn
FC54/C. F. Deiterich
FC54/J. E. I'Anson
FC55/E. L. Pavelka (6)
FC56/C. B. Parker (3)
FC6/C. B. Shelley (4)
FL/J. B. Hammack
FL2/R. L. Brown (2)
FL6/R. W. Blakley
FS/L. C. Dunseith
FS5/J. C. Stokes (11)
FM/J. P. Mayer
FM/C. R. Russ
FM/D. H. Owen
TRW/Houston/W. Hill

FC5/J. G. Renick
FM13/R. P. Parten (11)
FM2/C. A. Graves (3)
FM3/C. T. Hyle
FM4/E. R. Schiesser
FM4/P. T. Pixley
FM4/R. T. Savely (3)
FM4/W. R. Wollenhaupt
FM5/J. D. Yencharis (4)
FM5/R. E. Ernull (5)
FM5/H. D. Beck
FM5/R. D. Duncan
FM6/K. A. Young (6)
FM6/R. W. Becker (3)
FM7/S. P. Mann
FM7/D. A. Nelson
FM7/R. O. Nobles
FM/Branch Chiefs (8)
YA/F. Borman
IBM/Houston/G. Carlow, D70
Boeing Data Management (4), HA-04
BELLCOMM/HQS./R. V. Sperry
BELLCOMM/HQS./MAS/A. Merritt
BELLCOMM/HQS./D. Corey
BELLCOMM/HQS./G. Heffron
GAEC/Bethpage/J. A. Wachtel
GAEC/Bethpage/R. Schindwolf (3)
GAEC/Bethpage/R. Mangulis
GAEC/Bethpage/R. Pratt
GAEC/Bethpage/Consulting Pilot's Office
GAEC/Bethpage/B. O'Neal
GAEC/Houston/G. Kingsley
MIT/IL/R. R. Ragan (25)
MIT/IL/M. W. Johnston, IL 7-279
NR/Downey/M. Vucelic, FB84
NR/Downey/A. Sohler, AE23
NR/Downey/J. E. Roberts, AE23
NR/Downey/B. C. Johnson (4), AB46
NR/Downey/W. H. Markarin, AE23
NR/Downey/J. Jansz, BB48
NR/Downey/M. B. Chase, AB33
NR/Downey/D. W. Patterson, AC50
MITRE/Houston/W. P. Kincy
GSFC/500/F. O. Vonbun
NASA/HQS./MAO/R. B. Sheridan
NASA/HQS./MAOP/R. O. Aller (2)
NASA/HQS./XS/R. Sherrod
NASA/HQS./Colonel T. McMullen, MA
NASA/HQS./Chet Lee, MA
KSC/CFK/R. D. McCafferty
KSC/CFK/P. Baker
KSC/CFK/C. Floyd
KSC/CFK/M. Walters
KSC/CFK/F. Hughes
KSC/CFK/MIT/R. Gilbert
TRW/Redondo Beach/R. Braslau
TRW/Houston/W. J. Klenk
TRW/Houston/R. J. Boudreau
TRW/Houston/C. R. Skillern
TRW/Houston/M. Fox
TRW/Houston/K. L. Baker
TRW/Houston/F. A. Evans

NOV 05 1969

UNITED STATES GOVERNMENT

Memorandum

NASA Manned Spacecraft Center

TO : See list attached

DATE: October 29, 1969

69-PA-T-134A

FROM : PA/Chief, Apollo Data Priority Coordination

SUBJECT: Don't turn off the landing radar

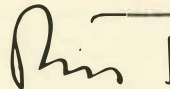
A ripple just passed through our system, which I probably ought to document for the record. Pete Conrad called the other day suggesting that it might be a good nominal procedure to inhibit (V58E) landing radar data from the PGNCs at about the time it exits the Descent visibility phase (P64). Ordinarily, this would be when they initiate manual control (P66) at about 500-ft. altitude. After polling interested MSC and MIT people on this, we have recommended against it and the crew has concurred even though it was agreed that the accuracy of the navigation probably would not be significantly affected and there is a slight possibility of some spurious data getting in, particularly below 100-ft. altitude. (In fact, I think everyone agreed that if there were a way to inhibit the velocity data at that point, that would be a good thing to do.) The primary reasons for advising against this procedure were:

a. Landing radar altitude data is highly desirable during this part of the descent and V58 stops everything.

b. DSKY operations are undesirable if they can be avoided.

Consideration was given to changing the landing radar velocity weighting factor to zero in P65/66/67 but this is also not recommended (although it may be before the flight) because that technique stops the velocity data too early in the descent.

Although the decision is to leave the crew procedures as they are, this was probably a worthwhile review of this volatile subject and may yet result in a change in the weighting factor as Apollo 11 landing radar analysis is further defined.



Howard W. Tindall, Jr.

PA:HWT:js

