LADIES AND GENTLEMEN,
WELCOME.

IT HAS BEEN A GOOD EVENING, AND
A GOOD EVENING INDEED!

COMING LIVE FROM THE JOHNS
HOPKINS APPLIED PHYSICS

LABORATORY IN LOWER MARYLAND, MY
NAME IS DWAYNE BROWN FROM NASA'S

A JOB WELL DONE INDEED, YES?

[†CHEERING†]

AS WE STAND BY TO WELCOME THE

NASA ADMINISTRATOR CHARLES
BOLDEN, THE DIRECTOR ROB SIMMEL

AND THE NEW HORIZONS TEAM, WE
ARE GOING TO GIVE THEM A ROUND

OF APPLAUSE, AN APPLAUSE THAT IS
GOING TO BE HEARD AROUND THE

WORLD!

LADIES AND GENTLEMEN, PLEASE
WELCOME NEW HORIZONS!
AND THE TEAM!

[ CHEERS AND APPLAUSE ]

THE NEW HORIZONS TEAM!

USA!

HOW DOES IT FEEL?

LADIES AND GENTLEMEN, MAY I HAVE YOUR ATTENTION PLEASE?

IT IS MY HONOR AND PLEASURE TO WELCOME TO THE PODIUM AND FOR
THE OPENING REMARK, A.P.L.

DIRECTOR ROB SIMMEL.

[ CHEERS AND APPLAUSE ]

>> THANK YOU VERY MUCH.

THIS IS JUST AMAZING.

WE ACTUALLY HAD A ROCK BAND VISIT US A WEEK OR TWO AGO.

THese are the rock stars!

YOU KNOW, WE†-- I'VE HAD THE OPPORTUNITY TO OBSERVE THE TEAM

DESIGN AND BUILD THIS SPACECRAFT.

I'VE HAD THE OPPORTUNITY TO OBSERVE THE TEAM OPERATE THIS

SPACECRAFT.

I'VE HAD THE OPPORTUNITY TO OBSERVE THE TEAM RECOVER FROM AN INFAMOUS ANOMALY A WEEK AND A HALF AGO.

IT IS UNBELIEVABLE, YOU KNOW,
WHAT THEY HAVE ACHIEVED IS JUST

BEYOND BELIEF IF YOU HAVEN'T WORKED IN A PRETTY HARD CORE

ENGINEERING AND TECHNICAL ENVIRONMENT.

WE'RE, OBVIOUSLY, INCREDIBLY PROUD OF THE ACHIEVEMENTS OF THE

ENTIRE NEW HORIZONS TEAM INVOLVING FOLKS FROM ALL OVER THE NATION.

AS I MENTIONED BEFORE, FROM ACADEMIA, INDUSTRY, GOVERNMENT,

WE COULD NOT HAVE DONE THIS.

AND IT DEMONSTRATES WHAT THIS COUNTRY IS ABLE TO ACHIEVE WHEN

IT Puts ITS MIND TO IT. AND MORE THAN THIS COUNTRY, IT

DEMONSTRATES WHAT THE WORLD CAN ACHIEVE WHEN WE WORK TOGETHER IN

A COLLECTIVE MANNER.

THIS IS REALLY†--
YOU KNOW, I'VE OFTEN REFERRED TO THIS AS A POINT OF CRY FOR THE NATION, BUT AS I'VE SEEN THE GLOBAL EXCITEMENT IN THIS MISSION GROW, I THINK IT'S A POINT OF PRIDE IN THE WORLD. IT REALLY IS JUST AN AMAZING ACCOMPLISHMENT. AND WHEN WE LOOK AT PLUTO, YOU KNOW, WHAT HAS IT GIVEN US? WHALES, DONUTS, AND A HEART. SO PLUTO HAS A HEART. ALTHOUGH WE DISCOVERED TODAY THAT IT'S A TWO-TONED HEART, BUT THAT'S ANOTHER STORY. YOU KNOW, IN CASE WE DIDN'T SAY IT, WE RECEIVED THE SIGNAL. YOU GUYS SAW THAT? NOW THE COOL SCIENCE JUST CONTINUES TO ROLL ON AND I JUST
WANT TO CONGRATULATE THE MANY PEOPLE AND ORGANIZATIONS INVOLVED IN THIS MISSION FROM START TO FINISH.

IT'S ONE OF THE MOST AMAZING TEAMS THAT I'VE HAD THE OPPORTUNITY TO BE ASSOCIATED WITH, AND I'M JUST FORTUNATE ENOUGH IN MY POSITION TO BE REPRESENTING THEM UP HERE, BUT THEY ARE THE FOLKS THAT DESERVE ALL THE CREDIT AND PRAISE.

SO THANK YOU VERY MUCH.

AND NOW YOU'RE GOING TO HEAR FROM, OBVIOUSLY, A VERY DISTINGUISHED PANEL, BUT BEFORE THAT, WHAT I'D LIKE TO DO, I HAVE THE HONOR AND PRIVILEGE OF INTRODUCING NASA ADMINISTRATOR CHARLIE BOLDEN TO COME UP AND
GIVE A FEW REMARKS.

[ APPLAUSE ]

>> WHAT A PHENOMENAL DAY, YOU

00:08:40,279 --> 00:08:45,259
KNOW, DAY STARTED, LIKE, TEN
YEARS AGO, FOR MANY OF THEM.

00:08:45,259 --> 00:08:48,909
BUT FOR SOME OF US WHO KIND OF
HAD A HARD TIME GOING TO SLEEP

00:08:48,909 --> 00:08:51,240
LAST NIGHT BECAUSE WE WERE
REALLY ANXIOUS ABOUT THIS DAY

00:08:51,240 --> 00:08:55,899
AND THEN WENT THROUGH THE DAY,
THE TEAM UP HERE, MANY OF THEM

00:08:55,899 --> 00:08:58,929
ARE NOT AWARE OF WHAT AN
INCREDIBLY HISTORIC DAY THIS HAS

00:08:58,929 --> 00:09:02,349
BEEN IN MANY REGARDS, AND WHAT'S
REALLY, REALLY IMPORTANT FOR THE

00:09:02,350 --> 00:09:06,370
TEAM IS TO UNDERSTAND THAT THEY
WERE ON THE FRONT PAGE, THEY

00:09:06,370 --> 00:09:09,720
WERE ON THE HEADLINE, THEY WERE
ON THE NEWS ALL DAY LONG IN

00:09:09,720 --> 00:09:12,360
SPITE OF EVERYTHING ELSE GOING
ON IN THE WORLD.

00:09:12,360 --> 00:09:17,779
AND, YOU KNOW, I WILL ADD WHAT I
SAID, WE WALK AND CHEW GUM.
YOU KNOW?

WE CAN DO MANY, MANY THINGS, AND WE DEMONSTRATED HOW GREAT OUR NATION IS IN WHAT WE DID TODAY.

I’M INCREDIBLY DELIGHTED TO BE HERE, TO JUST SHARE THIS TIME WITH THIS TEAM, TO THANK YOU AGAIN.

I HAD AN OPPORTUNITY TO THANK THEM OVER IN THE CONTROL CENTER, BUT JUST TO HELP THEM TO CELEBRATE THIS INCREDIBLE MILESTONE.

I KNOW SOME OF YOU ARE WONDERING ABOUT MY SLING.

I’M NOT GOING TO TELL YOU.

JUST LET IT BE KNOWN THAT JUST BEFORE SURGERY, ALL MY SURGEON WANTED TO TALK ABOUT LAST WEDNESDAY WAS NEW HORIZONS.
AND HE'S AN ARMY SURGEON AND I DIDN'T EVEN KNOW ARMY GUYS COULD SPELL NEW HORIZON.

WELL, I CAN SAY THAT, BECAUSE I'M A MARINE, AND I CAN GUARANTEE YOU THAT IF IT WEREN'T WRITTEN ON MY PAPER, I COULDN'T SPELL IT.

BUT I WANT TO CONGRATULATE THE NASA, A.P.L., SOUTHWEST RESEARCH TEAMS AND EVERYONE WHO'S HAD A HAND IN THIS INCREDIBLE SUCCESS THAT CULMINATES TODAY.

IT'S NOT OVER.

BUT AS THEY HAVE BEEN TELLING ME.

I THOUGHT THEY WERE GOING TO BE ABLE TO GO HOME AND START WORKING ON SOMETHING ELSE, BUT THEY TELL ME IT'S NOT OVER.
I DON'T KNOW WHAT THAT MEANS.

00:10:38,159 --> 00:10:40,959
ONCE AGAIN, WE'VE ACHIEVED A HISTORIC FIRST.

00:10:40,960 --> 00:10:45,580
THE UNITED STATES IS THE FIRST NATION TO REACH PLUTO.

00:10:45,580 --> 00:10:49,150
AND WITH THIS MISSION, WE WILL HAVE VISITED†-- WE HAVE VISITED

00:10:49,149 --> 00:10:54,360
EVERY SINGLE PLANET IN OUR SOLAR SYSTEM.

00:10:54,360 --> 00:11:07,769
[ CHEERS AND APPLAUSE ]
YOU REALLY NEED TO STOP AND

00:11:07,769 --> 00:11:08,769
THINK ABOUT THAT.

00:11:08,769 --> 00:11:12,179
AND, YOU KNOW, THERE'S NO OTHER NATION IN THE WORLD THAT HAS THE

00:11:12,179 --> 00:11:14,809
CAPABILITY OF DOING THAT, AND WE DID IT.

00:11:14,809 --> 00:11:18,639
IT HAS BEEN A LONG TIME COMING, BUT, YOU KNOW, FOR SOME OF THE

00:11:18,639 --> 00:11:21,159
TEAM IT'S BEEN LIKE A LIFETIME, BUT IT'S REALLY, REALLY, REALLY

00:11:21,159 --> 00:11:23,419
IMPORTANT.

00:11:23,419 --> 00:11:25,819
ANOTHER THING THAT’S IMPORTANT, THIS STARTED YEARS BEFORE I

00:11:25,820 --> 00:11:29,700
BECAUSE THE NASA ADMINISTRATOR, SO I BEAR NO CREDIT WHATSOEVER

00:11:29,700 --> 00:11:30,890
OTHER THAN WATCHING EVERYBODY.

00:11:30,889 --> 00:11:34,539
IS MIKE GRIFFIN STILL HERE?

00:11:34,539 --> 00:11:38,120
MIKE GRIFFIN WAS THE NASA ADMINISTRATOR†-- I’M LEARNING A

00:11:38,120 --> 00:11:39,570
LOT OF STUFF TONIGHT.

00:11:39,570 --> 00:11:43,320
IT’S GOOD TO COME TO THESE THINGS, BECAUSE YOU LEARN HOW WE

00:11:43,320 --> 00:11:47,450
GOT HERE, BUT MIKE GRIFFIN WAS THE NASA ADMINISTRATOR WHEN THE

00:11:47,450 --> 00:11:50,500
DECISION WAS MADE WE WERE REALLY GOING TO GO DO THIS.

00:11:50,500 --> 00:11:53,269
AT LEAST THAT’S WHAT I’M TOLD.

00:11:53,269 --> 00:11:56,120
AND THEN PRESIDENT OBAMA AND I†-- PRESIDENT OBAMA CAME INTO

00:11:56,120 --> 00:11:59,769
OFFICE AND I CAME TO WORK FOR HIM, BUT FIVE YEARS AGO THE

00:11:59,769 --> 00:12:03,829
PRESIDENT CHALLENGED US TO MAKE
SURE THAT AMERICA'S SPACE

00:12:03,830 --> 00:12:07,990
PROGRAM REMAINED THE LEADER IN
EXPLORATION, BOTH HUMAN AND

00:12:07,990 --> 00:12:08,990
ROBOTICS.

00:12:08,990 --> 00:12:11,560
AND WE WANTED TO STRENGTHEN
AMERICA'S LEADERSHIP BOTH HERE

00:12:11,559 --> 00:12:15,000
ON EARTH, WHILE WE CONTINUED TO
REACH EVEN FARTHER INTO OUR

00:12:15,000 --> 00:12:17,019
SOLAR SYSTEM AND BEYOND.

00:12:17,019 --> 00:12:19,939
AND I THINK THAT'S EXACTLY WHAT
WE'VE DONE.

00:12:19,940 --> 00:12:22,700
NASA AS AN AGENCY IS ON A
JOURNEY TO MARS, WITH OTHER

00:12:22,700 --> 00:12:25,670
AGENCIES AROUND THE WORLD, AND
EVERY MISSION IN SCIENCE AND

00:12:25,669 --> 00:12:29,669
EXPLORATION IS EXPANDING OUR
KNOWLEDGE OF OUR SOLAR SYSTEM

00:12:29,669 --> 00:12:35,039
AND OUR UNIVERSE AND HELPING
PAVE THE WAY TO THE FARDEST

00:12:35,039 --> 00:12:36,269
DESTINATIONS.

00:12:36,269 --> 00:12:40,009
TODAY'S MISSION WAS JUST ONE
MORE STEP ON THE JOURNEY OF

146
00:12:40,009 --> 00:12:43,139
GETTING HUMANS TO MARS, BECAUSE
IT GIVES US ONE MORE PIECE OF

147
00:12:43,139 --> 00:12:47,500
THE PUZZLE ABOUT OUR SOLAR
SYSTEM, YOU KNOW, ONE MORE PIECE

148
00:12:47,500 --> 00:12:51,210
TO HELP US UNDERSTAND HOW IT ALL
FORMED.

149
00:12:51,210 --> 00:12:52,860
WHAT'S GOING ON HERE AND
EVERYTHING.

150
00:12:52,860 --> 00:12:55,269
SO AN INCREDIBLE DAY FOR
EVERYBODY.

151
00:12:55,269 --> 00:12:58,240
IN THE 2030s, THIS JOURNEY OF
DISCOVERY WILL BRING AMERICAN

152
00:12:58,240 --> 00:13:01,389
ASTRONAUTS TO A PLACE THAT'S
SPARKED IMAGINATIONS FOR

153
00:13:01,389 --> 00:13:03,500
GENERATIONS, THAT SPACE BEING
MARS.

154
00:13:03,500 --> 00:13:07,759
NEW HORIZONS HAS SENT BACK AND
WILL CONTINUE TO RETURN THE MOST

155
00:13:07,759 --> 00:13:11,509
DETAILED IMAGES AND MEASUREMENTS
EVER TAKEN OF PLUTO AND ITS

156
00:13:11,509 --> 00:13:12,509
SYSTEM.
WE'LL CONTINUE TO LEARN ABOUT PLUTO.

ITS COMPOSITION, THE ATMOSPHERE AND MOONS, AND FOR LONG, LONG TIME TO COME AS WE ANALYZE NEW HORIZONS’ DATA, WE WILL LEARN MORE AND MORE EACH DAY.

I KNOW TODAY WE'VE INSPIRED A WHOLE NEW GENERATION OF EXPLORERS.

ALL YOU NEED TO DO IS LOOK AROUND.

NOT QUITE AS MANY AS EARLIER, BUT WE WERE LITERALLY STUMBLING ACROSS KIDS WHEN WE CAME OUT EARLIER TODAY.

AND I TELL PEOPLE†-- THERE ARE SOME UP THERE.

FANTASTIC.

[ CHEERS AND APPLAUSE ]

ALL RIGHT!
AHH!

170
THE PLUTO KIDS!
IS THAT RIGHT?

171
YOU ALL WERE ACTUALLY BORN THE MISSION WAS LAUNCHED, SOME OF YOU?

172
YOU?

173
WOW!

174
WOW!

175
UNREAL.

176
BUT, YOU KNOW, IT IS†-- THAT'S WHAT THIS MISSION IS ABOUT.

177
IT'S INSPIRING THE NEXT GENERATION.

178
WE TALK ABOUT THIS A LOT, THIS IS NOT ABOUT US.

179
IT'S NOT ABOUT ANY OF US IN THIS CONTROL TEAM.

180
IT'S REALLY ABOUT THE NEXT GENERATION OF PEOPLE.

181
YOU HAVE INSPIRED THE NEXT
GENERATION UNBELIEVABLY AND WHAT

00:14:35,129 --> 00:14:38,529
YOU'VE BEEN BRINGING TO US OVER
THE LAST FEW DAYS, WE WERE

00:14:38,529 --> 00:14:42,860
TALKING ABOUT THE FACT YOU HAVE
MADE PLUTO ALMOST HUMAN.

00:14:42,860 --> 00:14:44,600
YOU KNOW?

00:14:44,600 --> 00:14:48,629
PLUTO HAS FEATURES AND CHARACTER
AND EVERYTHING THAT'S BECAUSE OF

00:14:48,629 --> 00:14:52,080
THE WORK YOU'VE DONE AND THE WAY
YOU'VE PRESENTED, AND I THINK AS

00:14:52,080 --> 00:14:54,780
WE CONTINUE TO LOOK AT THE DATA
AND THE IMAGES, WE ARE GOING TO

00:14:54,779 --> 00:14:58,470
BE EVEN FURTHER MESMERIZED BY
THIS INCREDIBLE PLANET.

00:14:58,470 --> 00:15:01,279
INSPIRATION LIKE THAT PROVIDED
BY NEW HORIZONS WILL KEEP

00:15:01,279 --> 00:15:04,549
INTEREST AND ENTHUSIASM STRONG
FOR THE NEXT GENERATION TO MAKE

00:15:04,549 --> 00:15:05,929
THEIR OWN GIANT LEAPS.

00:15:05,929 --> 00:15:08,969
AGAIN, LET ME JUST SAY,
CONGRATULATIONS TO EVERYONE.

00:15:08,970 --> 00:15:12,379
IT'S A HISTORIC WIN FOR SCIENCE AND FOR EXPLORATION.

00:15:12,379 --> 00:15:14,860
TODAY WE'VE TRULY ONCE AGAIN RAISED THE BAR FOR HUMAN POTENTIAL.

00:15:14,860 --> 00:15:16,039
LET THE JOURNEY OF DISCOVERY CONTINUE.

00:15:18,659 --> 00:15:26,949
THANK YOU ALL VERY MUCH.

00:15:26,950 --> 00:15:41,470
[ CHEERS AND APPLAUSE ]
>> LADIES AND GENTLEMEN, WE ARE

00:15:41,470 --> 00:15:48,070
LIVE HERE AT THE JOHNS HOPKINS LABORATORY IN LOWER MARYLAND.

00:15:48,070 --> 00:15:50,450
AND IT'S KIND OF A HARD ACT TO FOLLOW, BECAUSE THIS IS GOING TO

00:15:50,450 --> 00:15:54,390
BE A MEDIA BRIEFING, BUT IT HAS BEEN A CELEBRATION, AGAIN,

00:15:54,389 --> 00:15:58,230
ANOTHER ROUND OF APPLAUSE TO THE NEW HORIZONS TEAM FOR A JOB WELL DONE!

00:15:58,230 --> 00:16:02,389
[ APPLAUSE ]
OKAY, TEAM, IF YOU CAN MAKE YOUR
WAY OVER TO†-- OKAY.

OKAY.

CONGRATULATIONS AGAIN, TEAM.

LADIES AND GENTLEMEN†-- LADIES AND GENTLEMEN, IT HAS BEEN A TRULY HISTORIC DAY, AN HISTORIC NIGHT.

WE END THIS EVENING WITH THE MEDIA BRIEFING WITH INDIVIDUALS HERE, WHO WILL GIVE BRIEF REMARKS.

THEN WE WILL OPEN IT UP FOR QUESTIONS.

SINCE IT HAS BEEN A VERY LONG, LONG DAY, WE'RE GOING TO TRY TO KEEP THIS SHORT.

WE HAVE A MEDIA BRIEFING TOMORROW AT 3:00 P.M., WHERE YOU WILL SEE, AS YOU WILL HEAR FROM THE FOLKS HERE, SOME OF THE MOST
INCREDIBLE IMAGES OF PLUTO.

YOU AIN'T SEEN NOTHING YET.

AIN'T THAT RIGHT, ALLEN?

OKAY.

FIRST UP YOU'LL HEAR FROM JOHN RUMSFELD, FIVE-TIME SPACE SHUTTLE FLOWN ASTRONAUT, SCIENCE DIRECTOR IN WASHINGTON, D.C.

NASA HEADQUARTERS.

ALLEN STERN, THE NEW HORIZONS PRINCIPAL INVESTIGATOR,

SOUTHWEST RESEARCH INSTITUTE IN BOULDER, COLORADO.

[ CHEERS AND APPLAUSE ]

GLENN THOMPSON, PROJECT MANAGER.

AND I THINK SOMEONE WHO IS REALLY, REALLY FAMOUS AT THIS TIME, MISSIONS OPERATIONS
WELL, JOHN, OVER TO YOU.

I'LL TRY AND KEEP IT SHORT, BECAUSE I REALLY WANT TO GET TO THE TEAM, BUT, YOU KNOW, CHARLIE MENTIONED THAT PLUTO NEW HORIZONS HAS BEEN IN THE NEWS ALL DAY LONG, AND THAT'S ABSOLUTELY TRUE. AND IT'S BECAUSE WE'RE ALL MAKING NEWS, BUT IF YOU THINK IT WAS BIG TODAY, WAIT UNTIL TOMORROW AND THE NEXT DAY. WE HAVEN'T SEEN ANYTHING YET. THIS IS REALLY JUST THE BEGINNING. THIS IS, YOU KNOW, THE EQUIVALENT OF THE CURiosity.
ROVER LANDING.

00:20:07,410 --> 00:20:10,558
IT'S THE BEGINNING OF THE MISSION, EVEN AFTER, YOU KNOW,

00:20:10,558 --> 00:20:14,259
ALMOST A DECADE IN TRANSIT, MANY MORE YEARS, YOU KNOW, OF

00:20:14,259 --> 00:20:17,490
ATTEMPTS TO GET A PLUTO MISSION AND THEN ONCE PLUTO NEW HORIZONS

00:20:17,490 --> 00:20:23,000
WAS SELECTED AND WAS BEING BUILT, YOU KNOW, WHO COULD HAVE

00:20:23,000 --> 00:20:27,230
IMAGINED WE'D ALL BE HERE WITH THE SUCCESSFUL ENCOUNTER OF

00:20:27,230 --> 00:20:30,460
PLUTO?

00:20:30,460 --> 00:20:32,559
AND TONIGHT, INDEED, YOUR TEAM MADE HISTORY.

00:20:32,559 --> 00:20:36,730
AND AS A TEAM, WE ALL HAVE MADE HISTORY.

00:20:36,730 --> 00:20:39,170
THIS CAN NEVER BE REPEATED.

00:20:39,170 --> 00:20:41,539
THIS IS IN THE HISTORY BOOKS.

00:20:41,539 --> 00:20:45,399
AND ALICE SAID THE SPACECRAFT IS FULL OF IMAGES.

00:20:45,400 --> 00:20:46,690
WE CAN'T WAIT.
YOU KNOW, WE’VE OPENED UP A NEW REALM OF THE SOLAR SYSTEM.

A NEW REALM OF HUMAN DISCOVERY, AND IT’S HUMAN DISCOVERY, PEOPLE.

THE SPACECRAFT JUST DID WHAT YOU TOLD IT TO, AND THAT’S FANTASTIC.

THAT BEING SAID, AND THINKING ABOUT THE SAFE MODE ENTRY JUST A LITTLE WHILE AGO, THERE’S NOTHING LIKE, YOU KNOW, A SAFE MODE EVENT TO SHARPEN ONE’S SENSES.

YOU KNOW, WHAT WE’RE ALL DOING, WHAT YOU’VE DONE, IS REALLY HARD.

YOU KNOW, WE’RE HERE WITH THE HAPPY MOMENT.

IT COULD HAVE BEEN OTHERWISE, AND WE KNOW THAT FROM THE
HISTORY OF SPACE EXPLORATION.

MARINER 4, 50 YEARS AGO, WAS THE FIRST SPACECRAFT TO FLY BY MARS,

50 YEARS AGO, BECAUSE MARINER 3 DIDN'T MAKE IT.

SO, YOU KNOW, WE SHOULD ALL BE REALLY THANKFUL, I'M VERY THANKFUL, THAT ALL OF YOU WORKED INCREDIBLY HARD, BUILT A WONDERFUL SPACECRAFT, OPERATED A GREAT SPACECRAFT.

BECAUSE SPACE IS HARD AND EXTREMELY UNFORGIVING, AND I THINK YOU ALL KNOW THAT.

AS I SAID, THIS IS JUST THE BEGINNING.

YOU KNOW, WE'RE EMBARKING NOW ON 16 MONTHS OF GREAT SCIENCE.

THIS IS FUNDAMENTAL RESEARCH.

THIS IS INCREDIBLY IMPORTANT, AND SO MY CHARGE TO ALL OF YOU
WHO ARE HERE TONIGHT, WHO HAVE
EXPERIENCE IT, TO ALL OF THOSE
FOLKS WHO ARE LISTENING TO THE
REPORTERS, TO THE SOCIAL MEDIA
FOLKS, YOU KNOW, SHARE THIS AS
MUCH AS YOU CAN, BECAUSE THIS IS
A TREMENDOUS MOMENT IN HUMAN
HISTORY.
AND FOR THE TEAM MEMBERS, YOU
KNOW, AS I'VE SAID SEVERAL
TIMES, TAKE THIS HOME TO YOUR
FAMILY AND THANK THEM FOR
LETTING YOU DO THIS.
BECAUSE I KNOW WHAT KIND OF
SACRIFICES ARE INVOLVED.
AND SPECIFICALLY FOR THE OPS
TEAM AND SPECIFICALLY FOR THE
MISSIONS OPS MANAGER, MOM, GO
HOME AND GET SOME SLEEP.
[ APPLAUSE ]
CONGRATULATIONS TO EVERYONE.

EVERYONE, GET SOME SLEEP, BECAUSE TOMORROW IT'S GOING TO GET REALLY EXCITING.

AND TO TELL YOU A LITTLE BIT ABOUT THAT AND TO FRAME IT IS THE PRINCIPAL INVESTIGATOR ALLEN STERN.

WELL, NEW HORIZONS IS A BIG TEAM AND OUR FLIGHT CONTROL TEAM IS JUST UNPARALLELED, BUT THERE ARE A LOT OF PEOPLE ON THE NEW HORIZONS TEAM, AND MANY OF THEM ARE IN THIS ROOM AND I'D LIKE THEM TO STAND UP.

I HAVE SOMETHING TO SAY.

IF YOU'RE ON THE NEW HORIZONS TEAM AND YOU'RE IN THE ROOM, WHETHER YOU'RE ON THE SCIENCE TEAM OR ON THE ENGINEERING TEAM,

PROJECT MANAGEMENT, PUBLIC
AFFAIRS, WHOEVER YOU MIGHT BE,

00:23:40,140 --> 00:23:44,440
OR IF YOU'RE IN ANOTHER PART OF
THIS CENTER, I WANT TO SAY TO

00:23:44,440 --> 00:23:50,539
YOU, JUST THREE WORDS, WE DID
IT.

00:23:50,539 --> 00:24:06,690
[ APPLAUSE ]
TAKE A BOW!

00:24:06,690 --> 00:24:19,950
[ CHEERS AND APPLAUSE ]
I HAVE NEVER BEEN ONE TO

00:24:19,950 --> 00:24:25,549
UNDERPLAY THE SIGNIFICANCE OF
THIS MISSION, SO I'D LIKE TO†--

00:24:25,549 --> 00:24:26,549
JUST WAIT.

00:24:26,549 --> 00:24:31,799
I'D LIKE TO CHARACTERIZE THAT
PATH YOU ALL JUST WATCHED AS ONE

00:24:31,799 --> 00:24:38,138
SMALL STEP FOR NEW HORIZONS AND
ONE GIANT LEAP FOR MANKIND.

00:24:38,138 --> 00:24:46,449
[ APPLAUSE ]
FINALLY, BEFORE I TURN THIS OVER

00:24:46,450 --> 00:24:49,558
TO GLENN, I JUST WANT TO PUT
THIS IN A LITTLE BIT OF

00:24:49,558 --> 00:24:52,220
PERSPECTIVE, SO LET ME JUST READ
THESE REMARKS.
FOLLOWING IN THE FOOTSTEPS OF LEGENDARY PROJECTS BY NASA

CALLED MARINER, PIONEER, AND VOYAGER, NEW HORIZONS HAS

SUCCEEDED AT COMPLETING THE CAPSTONE EVENT TO THE HISTORIC FIRST ERA OF PLANETARY RECONNAISSANCE.

A HALF CENTURY LONG ENDEAVOR THAT WILL FOREVER BE A LEGACY OF OUR TIME.

THANK YOU.

[ APPLAUSE ]

WELL, I'M GOING TO MAKE MY REMARKS QUITE BRIEF, BECAUSE THE SCIENCE TEAM WANTS TO GO BACK AND LOOK AT THE GORGEOUS DATA THAT THEY HAVE, SO THEY CAN COME BACK HERE TOMORROW AND DAZZLE US ALL.

AND THEY WILL DAZZLE US, BECAUSE YOU'VE SEEN JUST A HINT OF THAT
DATA THAT WE'VE SHOWED TODAY.

AND THERE IS MORE TO COME.

I ECHO THE WORDS THAT HAVE ALREADY BEEN SAID ABOUT WHAT A TEAM, AND IT IS.

I CAN'T EXPRESS MY THANKS AND MY AWE OF THIS TEAM.

THEY HAVE DONE IT ALL FROM THE DAY WE STARTED BUILDING THE SPACECRAFT IN A SCHEDULE THAT MOST PEOPLE THOUGHT WAS NOT POSSIBLE, GOT IT LAUNCHED, AND NOW HAVE FLOWN IT ACROSS THE SOLAR SYSTEM TO REACH THE GOAL.

THERE IS A MAGNIFICENT GOAL AND ACHIEVEMENT, AND I WANT TO TURN IT OVER TO ALICE, WHO HAS GUIDED THE SPACECRAFT ACROSS THE SOLAR SYSTEM.
ALICE?

00:26:43,430 --> 00:26:52,610
[ CHEERS AND APPLAUSE ]
[†CHANTING†]

00:26:52,609 --> 00:26:54,909
>> ALICE!

00:26:54,910 --> 00:26:57,200
ALICE!

00:26:57,200 --> 00:26:59,500
ALICE!

00:26:59,500 --> 00:27:04,089
>> WELL, GEE.

00:27:04,089 --> 00:27:06,329
I'M NOT SURE HOW TO FOLLOW THAT.

00:27:06,329 --> 00:27:15,819
I HAVEN'T HAD A LOT OF SLEEP,
AND†-- YOU KNOW, IT IS TRULY†--

00:27:15,819 --> 00:27:20,500
WE'VE BEEN USING THIS WORD A
LOT, AMAZING, BECAUSE IT'S THE

00:27:20,500 --> 00:27:26,410
ONE THAT JUST POPS TO THE TIP OF
OUR TONGUE TO SAY.

00:27:26,410 --> 00:27:32,600
AN AWESOME TEAM, THE RECOVERY
WAS FLAWLESS AND IT HAD TO BE

00:27:32,599 --> 00:27:33,879
FLAWLESS.

00:27:33,880 --> 00:27:37,660
WE WERE UP TO THE CHALLENGE, WE
MET IT.
AND ON A PERSONAL NOTE, I CAN'T EXPRESS HOW I'M FEELING TO HAVE ACHIEVED A CHILDHOOD DREAM OF SPACE EXPLORATION.

I'M PRETTY OVERWHELMED AT THIS MOMENT, AND I JUST WANT TO SAY THANK YOU TO EVERYONE AND PLEASE TELL YOUR CHILDREN AND ANYBODY OUT THERE, YOU KNOW, DO WHAT YOU'RE PASSIONATE ABOUT. DON'T DO SOMETHING BECAUSE IT'S EASY.

DO SOMETHING BECAUSE YOU WANT TO DO IT.

GIVE YOURSELF THAT CHALLENGE, AND YOU WILL NOT BE SORRY FOR IT.

HERE WE GO, OUT IN THE SOLAR SYSTEM!

[ CHEERS AND APPLAUSE ]

OKAY, LET'S GO AHEAD AND TRANSITION INTO THE QUESTION AND ANSWER PERIOD.
AS GLENN SAID, THE TEAM IS ANXIOUS TO GET BACK, GET TO THE DATA, BECAUSE WE HAVE A PRESS CONFERENCE FOR THE WORLD TOMORROW AT 3:00 P.M.

SO LET'S WAIT FOR THE MIC, START HERE, GIVE YOUR NAME AND AFFILIATION.

CAN YOU TELL ME ANYTHING ABOUT WHAT KIND OF DATA YOU MAY HAVE GOTTEN FROM THIS DATA STREAM?

ALSO, CONGRATULATIONS.

>> WE SHOULD CLARIFY, THANK YOU VERY MUCH, EMILY.

WE SHOULD CLARIFY THAT THIS WAS ENTIRELY ENGINEERING DATA AND NO SCIENCE DATA THAT CAME HOME TONIGHT.
THAT WAS BY DESIGN, BECAUSE WE WANTED TO JUST FIND OUT THE STATUS OF THE SPACECRAFT. WE FOUND IT WAS ON A TIMELINE, NO AUTONOMY ERROR MESSAGES GENERATED AND ALL THE TELEMETRY LOOKED GOOD. ALICE MAY WANT TO ADD TO THAT, BUT WE WANTED THE REPORT TO BE AS BRIEF AS POSSIBLE BECAUSE AS SOON AS IT WAS OVER, NEW HORIZONS WENT BACK TO WORK COLLECTING THAT DATA. ALICE, DO YOU WANT TO ADD ANYTHING ABOUT WHAT INFORMATION CAME? >> WELL, AS ALLEN SAID, WE DIDN'T HAVE ANY AUTONOMY, IN LAYMAN'S TERMS, THE SPACECRAFT WAS HAPPY. AND IT WAS VERY HAPPY TO GO ON
AND COLLECT MORE SCIENCE.

AND THE MAIN COMPUTER SYSTEM HAS THE DATA RECORDER, AND OUR CNBH ENGINEER REPORTED THAT THE EXPECTED NUMBER OF SEGMENTS ON THAT RECORDER HAD BEEN USED, SO THAT TELLS US THAT THAT DATA HAS BEEN COLLECTED ON THE SPACECRAFT.

[ APPLAUSE ]

>> PHIL HARMAN WITH CBS NEWS.

FOR ALICE, YOU TOLD US THIS MORNING YOU CONFESSED TO A VERY SLIGHT BIT OF TREPIDATION WAITING FOR A SIGNAL TO COME BACK.

CAN YOU TELL US WHAT YOU THOUGHT WHEN YOU GOT THE WORD THAT YOU GOT LOCK ON THE TELEMETRY?

I KNOW YOU'RE CALMLY RELAYING EVERYTHING, BUT WHAT DID YOU
FEEL DOWN DEEP?

00:30:49,579 --> 00:30:54,980
>> WELL, BACK TO THAT PARENT AND CHILD STORY, YOU HAVE A LOT OF

00:30:54,980 --> 00:30:59,319
FAITH IN YOUR CHILDREN, BUT SOMETIMES THEY DON'T DO EXACTLY

00:30:59,319 --> 00:31:01,019
WHAT YOU EXPECT THEM TO DO.

00:31:01,019 --> 00:31:03,781
SO IT'S SORT OF THAT FEELING.

00:31:03,781 --> 00:31:07,819
YOU WANT THEM TO BE HOME AT 8:00, BUT THEY ARE NOT THERE, SO

00:31:07,819 --> 00:31:09,119
YOU WORRY.

00:31:09,119 --> 00:31:15,079
BUT IN THIS INSTANCE, OUR SPACECRAFT DID EXACTLY WHAT IT

00:31:15,079 --> 00:31:19,199
WAS SUPPOSED TO DO, AND THE SIGNAL WAS THERE FOR US TO

00:31:19,200 --> 00:31:23,250
CAPTURE, SO IT WAS GREAT.

00:31:23,250 --> 00:31:27,660
>> HI, STEVEN CLARKE, SPACE FLIGHT NOW.

00:31:27,660 --> 00:31:31,840
HOPING ONE OF YOU CAN DISCUSS WHEN YOU ACTUALLY DO GET THE

00:31:31,839 --> 00:31:35,759
SCIENCE DATA DOWN, WHEN IS YOUR NEXT DSM PASS, WHAT ARE YOU
EXPECTING DOWN OVERNIGHT OR IN THE MORNING, WHEN DOES IT COME DOWN?

THANKS A LOT.

>> OKAY, I'LL TAKE A CRACK AT THAT.

WE HAVE A PATH STARTING TOMORROW MORNING THAT WILL RUN FOR SEVERAL HOURS.

IT'S SOMETHING THAT WE HAVE CALLED THE NEW YORK TIMES DATA SET, BECAUSE WE THINK IT'S GOING TO BE PRETTY INTERESTING.

BEGINNS AT 5:50 IN THE MORNING, AND AS I SAID, IT'S GOING TO LAST FOR SEVERAL HOURS.

INCLUDED IN THAT DATA SET WILL BE NEW IMAGERY AT TEN TIMES HIGHER RESOLUTION THAN THE SPECTACULAR IMAGERY THEY VIEWED.
THIS MORNING.

Additionally, there will be information from the two spectrometers, from Alice, and from the route spectrometer.

New color data, information on not just Pluto, but also Sharon and small satellites, so there's going to be quite a waterfall of data for us tomorrow morning, and we're going to be reporting on what we find 3:00 in another news event.

>> Thanks.

Irene, Discovery News, Reuters.

Congratulations.

Alice, is there anything in the telemetry that you could tell us about where New Horizons is right now, relative where you
THOUGHT IT WOULD BE?

AND ANY OTHER DETAILS ABOUT THE CLOSE ENCOUNTER, EXACTLY HOW FAR

DID IT COME FROM PLUTO, AND WHAT WAS THE EXACT TIME OF CLOSEST

THANKS.

>> WELL, OUR CONTROL ENGINEER REPORTED THAT WE'RE ON TRACK,

WHICH MEANS THAT WE'RE FOLLOWING THE PATH THAT WE'VE LAID OUT FOR

THE SPACECRAFT DID HIT THAT CLOSEST

APPROACH TIME AT 11:49 AND SOME SECONDS, I CAN'T SEEM TO

AND ALSO THAT AIM POINT THAT WAS EXPECTED, SO THE SPACECRAFT'S ON

TRACK, IT'S OUTBOUND FROM PLUTO, AND IT'S GOING TO BE TURNING
AROUND AND TAKING MORE IMAGES
AND SPECTRA AS IT LOOKS BACK

TOWARDS THE PLANET.

>> KEN KRAMER FOR NORTHEAST
ASTRONOMY FORUM.

MY QUESTION PROBABLY FOR ALLEN.

WONDERING ABOUT THIS HAS BEEN IN
TRANSIT SO LONG, NEW WAYS TO USE

THE SCIENCE INSTRUMENTS, WAYS
THAT YOU NEVER CONCEIVED OF WHEN

YOU STARTED THIS MISSION, YOU'VE
HAD NINE AND A HALF YEARS TO

THINK ABOUT IT.

ARE THERE SOME EXPERIMENTS THAT
YOU CAN DO NOW THAT YOU NEVER

SEEMED TO HAVE THOUGHT OF WHEN
THE MISSION STARTED?

>> WELL, THANK YOU FOR ASKING
THAT.

THERE ARE WAYS THAT WE CAN USE
THE SCIENCE PAY LOAD THAT WE
NEVER IMAGINED.

00:34:17,760 --> 00:34:21,479
THE TIME WE DESIGNED IT AND THE
TIME WE LAUNCHED EVEN.

00:34:21,478 --> 00:34:25,028
A COUPLE OF EXAMPLES THAT WILL
MAKE SENSE TO ALL OF YOU, WE

00:34:25,028 --> 00:34:29,369
FOUND MORE MOONS, SO WE JAM
PACKED THE FLIGHT PLAN, ALL THE

00:34:29,369 --> 00:34:31,950
OBSERVATION PLAN, TO BE ABLE TO
OBSERVE ALL THE TARGETS IN THE

00:34:31,949 --> 00:34:35,579
SYSTEM, NOT JUST THE ONES THAT
WERE ORIGINALLY KNOWN.

00:34:35,579 --> 00:34:37,818
ANOTHER EXAMPLE WHICH YOU
PROBABLY DON'T KNOW ABOUT IS

00:34:37,818 --> 00:34:42,239
WHEN WE FLEW BY JUPITER, OUR
ULTRAVIOLET SPECTROMETER

00:34:42,239 --> 00:34:46,470
EXPERIENCED VERY, VERY HIGH
COUNT RATES, NOT DUE TO THE

00:34:46,469 --> 00:34:49,449
LIGHT SIGNALS THAT IT WAS
MEASURING, BUT WE FOUND OUT A

00:34:49,449 --> 00:34:54,338
DETECTOR ONBOARD IS ACTUALLY
CAPABLE OF DETECTING MEGAVOLT

00:34:54,338 --> 00:34:59,420
ELECTRONS AND WE HAD NEVER
IMAGINED THAT.
KIND OF A BONUS.

WE CALL IT A FEATURE.

AND SINCE WE HAVE A HANDBULF OF ALICES FLYING AROUND THE SOLAR SYSTEM, WE TESTED OUR HYPOTHESIS BY USING THE ALICE BUILT FOR NASA FLYING ON ROSETTA AS IT MADE ONE OF ITS EARTH GRAVITY ASSISTS AND WE ACTUALLY MADE A BEAUTIFUL TEXTBOOK DIAGRAM OF THE ELECTRON DISTRIBUTIONS, SO THEN WE APPLY IT, WHICH IS ACTUALLY SEARCHING FOR JUST THOSE KIND OF SIGNATURES IN THE PLUTO SYSTEM.

AND WE NEVER IMAGINED IT.

WE'VE GOT A HALF DOZEN OTHER EXAMPLES, AND IF YOU WANT TO TALK OFFLINE, I CAN GIVE YOU MORE OF THOSE TO FILL OUT A
STORY, BUT, YOU KNOW, WHEN YOU FLY A MISSION FOR TEN YEARS, YOU LEARN THINGS ABOUT WHAT YOU BUILD OR ABOUT THE SYSTEM THAT YOU DIDN'T KNOW WHEN YOU GOT STARTED, AND THAT'S A GOOD THING.

>> YOU KNOW, NASA IS ABOUT INSPIRING THE NEXT GENERATION AND I KNOW THIS IS A MEDIA BRIEFING, BUT I AM GOING TO GIVE THE OPPORTUNITY FOR ONE OF THOSE FUTURE GENERATION EXPLORERS TO ASK A QUESTION.

GO AHEAD.

>> WHAT IS THE EXTENDED MISSION GOAL?

[ LAUGHTER ]
[ APPLAUSE ]

>> WELL, I'LL JUST SPEAK FOR THE PROJECT TEAM.
JOHN CAN SPEAK FOR THE AGENCY.

THE PROJECT TEAM HAS TWO OBJECTIVES TO THE EXTENDED MISSION, TO EXPLORE OBJECTS AND TO GET FUNDED TO DO EXACTLY THAT.

[ APPLAUSE ]

>> WE ALL SAID WE'D BE SHORT

TONIGHT, SO I'M GOING TO TRY AND GO WHERE NO NEW HORIZONS SPACECRAFT HAS GONE BEFORE.

[ APPLAUSE ]

>> OKAY, WE'RE GOING TO TAKE A COUPLE MORE QUESTIONS, AND THEN I'M GOING TO TURN IT OVER TO DR. RUMSFELD TO SAY SOMETHING AND TO SHARE SOMETHING THAT'S JUST HAPPENED TONIGHT, LADIES AND GENTLEMEN.

TWO MORE QUESTIONS FOR THE MEDIA, DO WE HAVE IT?
WE HAVE ONE BACK THERE.

AND ONE MORE, AND THEN WE'RE GOING TO WRAP IT UP WITH DR. RUMSFELD.

>> HI, ALLEN BOYLE WITH NBC NEWS, AND I WANTED TO ASK ALICE

WHAT HAVE YOU BEEN DOING ALL DAY?

HAVE YOU BEEN WRAPPING ON THOSE CUTTING BOARDS, WHAT SortS OF THINGS HAVE YOU BEEN DOING TO EASE THE TENSION?

>> I CAN'T SAY THAT I'VE BEEN DOING ANYTHING TO EASE THE TENSION.

WHEN I LEFT MY OFFICE THIS MORNING TO COME DOWN TO THE BRIEFING, ABOUT 7:00, I HAD THE AIR MATTRESS ON THE FLOOR OF MY OFFICE AND I TURNED THE DIAL SO THAT THE AIR WOULD COME OUT OF.
00:38:06,820 --> 00:38:08,440
IT SO IT WAS DEFLATED.

520
00:38:08,440 --> 00:38:16,278
WHEN I GOT BACK TO MY OFFICE,
THAT AIR MATTRESS GOT BLOWN BACK

521
00:38:16,278 --> 00:38:18,789
AND I TOOK A, YOU KNOW,

522
00:38:18,789 --> 00:38:24,450
HALF-HOUR NAP, GOT UP, DID SOME
E-MAIL, YOU ALL KNOW HOW E-MAIL

523
00:38:24,449 --> 00:38:29,710
IS, DID SOME MORE DATA TESTS ON
THE SEQUENCE OF COMMAND JUST TO

524
00:38:29,710 --> 00:38:32,960
MAKE SURE EVERYTHING WAS OKAY,
YOU KNOW, LIKE CHECK ONE TWICE,

525
00:38:32,960 --> 00:38:36,460
THREE, 100 TIMES JUST TO MAKE
SURE EVERYTHING IS OKAY.

526
00:38:36,460 --> 00:38:43,470
AND THEN SORT OF STRESSED, SORT
OF FREAKED OUT WHILE WAITING FOR

527
00:38:43,469 --> 00:38:52,808
THAT SIGNAL TO COME IN, YOU
KNOW?

528
00:38:52,809 --> 00:38:59,380
[ APPLAUSE ]
>> OKAY, LAST QUESTION.

529
00:38:59,380 --> 00:39:03,380
>> HI, WITH NHK JAPAN,
CONGRATULATIONS AGAIN TO THE

530
00:39:03,380 --> 00:39:04,380
WHOLE TEAM.
I have a quick question, exactly what time did you receive the signal?

>> Carl, what did you say?

Oh, Michael.

Okay, so 8:52:37 P.M. Eastern time we received that signal.

Thank you, Michael.

>> Ladies and gentlemen, before we close out, a special sharing,

And I'm going to turn the podium over to Dr. Rumsfeld.

So, of course, this has been just a tremendous day and, you know, you wonder, you know, who's watching.

Know, a lot of tired people, so, you know, you wonder, you know,

Who's watching.
WE'VE BEEN IN HERE, WE'VE BEEN WORKING, WE'VE BEEN LOOKING AROUND, AND THIS IS FROM PRESIDENT OBAMA ON TWITTER.

PLUTO JUST HAD ITS FIRST VISITOR.

THANKS, NASA, IT'S A GREAT DAY FOR DISCOVERY AND AMERICAN LEADERSHIP.

AND THE LAST PICTURE THAT PLUTO NEW HORIZONS TOOK ON ITS WAY IN.

I CAN'T WAIT TO SEE WHAT HE SAYS ONCE HE SEES THE PICTURES OF CLOSEST APPROACH AND THE GREAT SCIENCE THAT COMES OUT FROM IT.

SO AGAIN, ALLEN AND TEAM, CONGRATULATIONS.

YOU KNOW, JUST WONDERFUL JOB.

GET SOME WELL DESERVED REST UNTIL 5:00 TOMORROW MORNING.

[ APPLAUSE ]

>> LADIES AND GENTLEMEN, THANK
YOU FOR WATCHING THE SHOW.

TOMORROW'S SHOW AT 3:00 P.M.

EASTERN TIME, PRESS CONFERENCE, THANK YOU.

AND WE'LL SEE YOU TOMORROW FROM THE JOHNS HOPKINS APPLIED PHYSICS LAB.

GOOD NIGHT.