

EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 31

</x-flowed>

From ???@??? Tue Feb 19 10:54:40 2002

Return-Path: <schwabac@email.arc.nasa.gov>

Received: from mymrl.arc.nasa.gov (IDENT:mirapoint@mymrl.arc.nasa.gov [128.102.31.4])

by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id KAA14660;

Tue, 19 Feb 2002 10:42:35 -0800 (PST)

Received: from email.arc.nasa.gov (email.arc.nasa.gov [143.232.64.51])

by mymrl.arc.nasa.gov (Mirapoint)

with ESMTTP id AAQ93935;

Tue, 19 Feb 2002 10:42:35 -0800 (PST)

Received: from mercury (mercury.arc.nasa.gov [143.232.65.47])

by email.arc.nasa.gov (-- Info omitted by ASANI Solutions, LLC.) with ESMTTP id KAA12957;

Tue, 19 Feb 2002 10:42:34 -0800 (PST)

From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>

To: "'Thomas Hinke'" [REDACTED], <jmelton@mail.arc.nasa.gov>

Cc: <pmjones@mail.arc.nasa.gov>, <thinke@mail.arc.nasa.gov>,

"Yao Wang \ (yxwang@email.arc.nasa.gov\)" <yxwang@mail.arc.nasa.gov>

Subject: NWA data

Date: Tue, 19 Feb 2002 10:42:34 -0800

Message-ID: <002e01c1b975\$32703090\$2f41e88f@mercury>

MIME-Version: 1.0

Content-Type: text/plain;

charset="us-ascii"

Content-Transfer-Encoding: 7bit

X-Priority: 3 (Normal)

X-MSMail-Priority: Normal

X-Mailer: Microsoft Outlook, Build 10.0.3416

In-Reply-To: <20020219182022.32617.qmail@earthlink.net>

Importance: Normal

X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000

X-UIDL: 3e49ba137d22ef52f1924b0b28f2d5cc

I got a call from Diane Martell at NWA today. She said that when they come here next week, they will bring with them

- 1) Three months of PNR data on CD from Oct, Nov, and Dec 2001
- 2) PC software to read the PNR data

She said that Worldspan determined that it would be easier for them to give us CD's rather than tapes, and that it would be easier to get Oct, Nov, and Dec rather than Jul, Aug, and Sep as we had originally requested. She said she would work on getting the September data in the future. I said that's fine.

(B)(5) [REDACTED]

Mark

--
Dr. Mark Schwabacher
NASA ARC, Code IC

650-604-4274

<http://ic.arc.nasa.gov/~schwabac/>

EPIC v. NASA

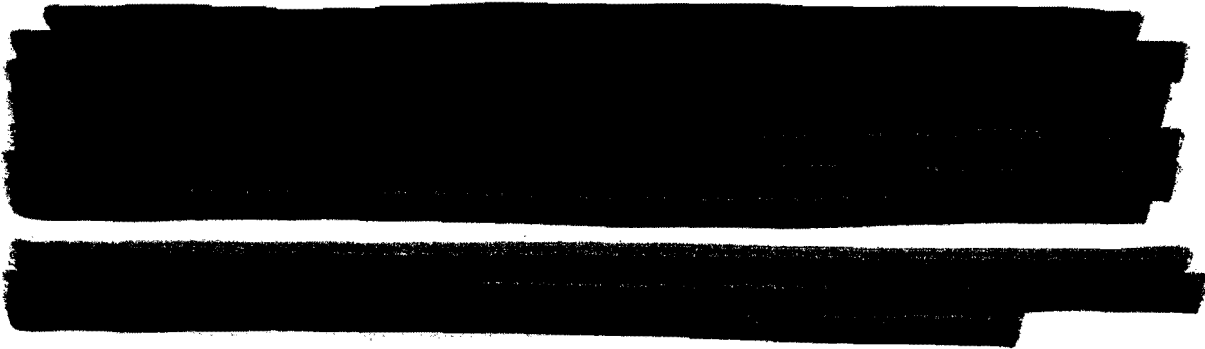
Documents Disclosed on April 27, 2004

Document No. 32

From ???@??? Tue Feb 19 11:05:03 2002
Return-Path: <jmelton@mail.arc.nasa.gov>
Received: from JOHNSP4 (buddy-1-7.arc.nasa.gov [198.123.22.39])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTF id KAA01669;
Tue, 19 Feb 2002 10:56:05 -0800 (PST)
From: "Johh Melton" <jmelton@mail.arc.nasa.gov>
To: "'Mark Schwabacher'" <schwabac@email.arc.nasa.gov>
Cc: <thinke@mail.arc.nasa.gov>
Subject: RE: NWA data
Date: Tue, 19 Feb 2002 10:55:31 -0800
Message-ID: <000201c1b977\$141aec00\$0100a8c0@JOHNSP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook, Build 10.0.3311
In-Reply-To: <002e01c1b975\$32703090\$2f41e88f@mercury>
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
X-UIDL: 58938e9fd92834213b2517a0c9bb6a6e

Mark

(b)(5)



Any idea how many CD's we're talking about?

JM

-----Original Message-----
From: Mark Schwabacher [mailto:schwabac@email.arc.nasa.gov]
Sent: Tuesday, February 19, 2002 10:43 AM
To: 'Thomas Hinke'; jmelton@mail.arc.nasa.gov
Cc: pmjones@mail.arc.nasa.gov; thinke@mail.arc.nasa.gov; Yao Wang
(yxwang@email.arc.nasa.gov)
Subject: NWA data

I got a call from Diane Martell at NWA today. She said that when they come here next week, they will bring with them

- 1) Three months of PNR data on CD from Oct, Nov, and Dec 2001
- 2) PC software to read the PNR data

She said that Worldspan determined that it would be easier for them to give us CD's rather than tapes, and that it would be easier to get Oct, Nov, and Dec rather than Jul, Aug, and Sep as we had originally requested. She said she would work on getting the September data in the future. I said that's fine.

(b)(5)

Mark

--
Dr. Mark Schwabacher
NASA ARC, Code IC
650-604-4274
<http://ic.arc.nasa.gov/~schwabac/>

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Document No. 33

From ???@??? Tue Feb 19 11:24:42 2002
Return-Path: <schwabac@email.arc.nasa.gov>
Received: from mymr1.arc.nasa.gov (IDENT:mirapoint@mymr1.arc.nasa.gov
[128.102.31.4])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTP id LAA26101;
Tue, 19 Feb 2002 11:21:17 -0800 (PST)
Received: from email.arc.nasa.gov (email.arc.nasa.gov [143.232.64.51])
by mymr1.arc.nasa.gov (Mirapoint)
with ESMTP id AAQ95097;
Tue, 19 Feb 2002 11:21:16 -0800 (PST)
Received: from mercury (mercury.arc.nasa.gov [143.232.65.47])
by email.arc.nasa.gov (-- Info omitted by ASANI Solutions, LLC.) with
ESMTP id LAA15250;
Tue, 19 Feb 2002 11:21:16 -0800 (PST)
From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>
To: "'John Melton'" <jmelton@mail.arc.nasa.gov>
Cc: <thinke@mail.arc.nasa.gov>
Subject: RE: NWA data
Date: Tue, 19 Feb 2002 11:21:16 -0800
Message-ID: <002f01c1b97a\$9a397510\$2f41e88f@mercury>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook, Build 10.0.3416
In-Reply-To: <000201c1b977\$141aec00\$0100a8c0@JOHN4>
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-UIDL: 4844745b6c1bbf5876707ba3e1820e5a

B)(5) [REDACTED]

Diane didn't tell me the number of CD's. When we were at NWA, they said that they gave the FBI one year's data on 6000 CD's. That would suggest that 3 months' data would fill 1500 CD's. However, the sample CD's that they gave us appear to contain one full days' data (Nov 1) on 3 CD's. Which would suggest that 90 days' data would fill 270 CD's. We'll find out next week.

-- Mark

> -----Original Message-----
> From: John Melton [mailto:jmelton@mail.arc.nasa.gov]
> Sent: Tuesday, February 19, 2002 10:56 AM
> To: 'Mark Schwabacher'
> Cc: thinke@mail.arc.nasa.gov
> Subject: RE: NWA data

> Mark

B)(5) [REDACTED]

(B)(5)

[REDACTED]

(B)(5)

[REDACTED]

> Any idea how many CD's we're talking about?

> JM

> -----Original Message-----

> From: Mark Schwabacher [mailto:schwabac@email.arc.nasa.gov]
> Sent: Tuesday, February 19, 2002 10:43 AM
> To: 'Thomas Hinke'; jmelton@mail.arc.nasa.gov
> Cc: pmjones@mail.arc.nasa.gov; thinke@mail.arc.nasa.gov; Yao Wang
> (yxwang@email.arc.nasa.gov)
> Subject: NWA data

> I got a call from Diane Martell at NWA today. She said that
> when they come here next week, they will bring with them.

- > 1) Three months of PNR data on CD from Oct, Nov, and Dec 2001
- > 2) PC software to read the PNR data

> She said that Worldspan determined that it would be easier
> for them to give us CD's rather than tapes, and that it would
> be easier to get Oct, Nov, and Dec rather than Jul, Aug, and
> Sep as we had originally requested. She said she would work
> on getting the September data in the future. I said that's fine.

[REDACTED]

> Mark

> --
> Dr. Mark Schwabacher
> NASA ARC, Code IC
> 650-604-4274
> http://ic.arc.nasa.gov/~schwabac/

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Document No. 34

</x-html>
From ???@??? Mon Mar 18 19:55:40 2002
Return-Path: <Jay.Dombrowski@nwa.com>
Received: from mymr2.arc.nasa.gov (IDENT:mirapoint@mymr2.arc.nasa.gov
[128.102.31.5])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id JAA27211
for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 09:53:55 -0800 (PST)
Received: from jlxsfw02.nwa.com (jlxsfw01.nwa.com [139.72.190.28])
by mymr2.arc.nasa.gov (Mirapoint)
with ESMTTP id AAY63683;
Mon, 18 Mar 2002 09:53:54 -0800 (PST)
Received: by jlxsfw02.nwa.com; id LAA17901; Mon, 18 Mar 2002 11:59:10 -0600
(CST)
Received: from unknown(139.72.109.120) by jlxsfw02.nwa.com via smap (V5.5)
id xma017650; Mon, 18 Mar 02 11:59:01 -0600
Received: by jlxsas88.mn.nwa.com; id RAA07863; Mon, 18 Mar 2002 17:53:46 GMT
Received: from mspa47292.mn.nwa.com(139.72.72.47) by jlxsas88.mn.nwa.com via
csmmap (V4.1)
id srcAAAGNaOjp; Mon, 18 Mar 02 17:53:44 GMT
Message-ID: <012701c1cea5\$d723ae10\$2f48488b@pad.nwa.com>
Reply-To: "Jay Dombrowski" <Jay.Dombrowski@nwa.com>
From: "Jay Dombrowski" <Jay.Dombrowski@nwa.com>
To: "Thomas H. Hinke" <thinke@mail.arc.nasa.gov>
Subject: are you available at 3:30 my time for a call?
Date: Mon, 18 Mar 2002 11:53:41 -0600
Organization: Northwest Airlines, Inc
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0124_01C1CE73.8C7567F0"
X-Priority: 3
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
X-UIDL: 142b15906282dafef9f34aceac40cb58
Status: RO

<x-html>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META http-equiv=Content-Type content="text/html; charset=iso-8859-1">
<META content="MSHTML 5.50.4522.1800" name=GENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=#ffffff>
<DIV>I have someone who knows PNRs maybe you or mark
would like to talk to</DIV></BODY></HTML>

</x-html>
From ???@??? Mon Mar 18 10:17:31 2002
Return-Path: <Jay.Dombrowski@nwa.com>
Received: from mymr2.arc.nasa.gov (IDENT:mirapoint@mymr2.arc.nasa.gov
[128.102.31.5])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id JAA27211
for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 09:53:55 -0800 (PST)
Received: from jlxsfw02.nwa.com (jlxsfw01.nwa.com [139.72.190.28])
by mymr2.arc.nasa.gov (Mirapoint)

with ESMTP id AAY63683;
Mon, 18 Mar 2002 09:53:54 -0800 (PST)
Received: by jlxsfw02.nwa.com; id LAA17901; Mon, 18 Mar 2002 11:59:10 -0600
(CST)
Received: from unknown(139.72.109.120) by jlxsfw02.nwa.com via smap (V5.5)
id xma017650; Mon, 18 Mar 02 11:59:01 -0600
Received: by jlxsas88.mn.nwa.com; id RAA07863; Mon, 18 Mar 2002 17:53:46 GMT
Received: from mspa47292.mn.nwa.com(139.72.72.47) by jlxsas88.mn.nwa.com via
csmmap (V4.1)
id srcAAAGNaOjp; Mon, 18 Mar 02 17:53:44 GMT
Message-ID: <012701c1cea5\$d723ae10\$2f48488b@pad.nwa.com>
Reply-To: "Jay Dombrowski" <Jay.Dombrowski@nwa.com>
From: "Jay Dombrowski" <Jay.Dombrowski@nwa.com>
To: "Thomas H. Hinke" <thinke@mail.arc.nasa.gov>
Subject: arc 01 available at 330 my time for a call?
Date: Mon, 18 Mar 2002 11:53:41 -0600
Organization: Northwest Airlines, Inc
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0124_01C1CE73.8C7567F0"
X-Priority: 3
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 5.50.4522.1200
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4522.1200
X-UIDL: 142b15906282dafef9f34aceac40cb58

```
<x-html><!x-stuff-for-pete base="" src="" id="0" charset="iso-8859-1"><!DOCTYPE  
HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">  
<HTML><HEAD>  
<META http-equiv=Content-Type content="text/html; charset=iso-8859-1">  
<META content="MSHTML 5.50.4522.1800" name=GENERATOR>  
<STYLE></STYLE>  
</HEAD>  
<BODY bgColor=#ffffff>  
<DIV><FONT face=Arial size=2>I have someone who knows PNRs maybe you or mark  
would like to talk to</FONT></DIV></BODY></HTML>
```

EPIC v. NASA

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Document No. 35

</x-html>

From ???@??? Mon Mar 18 19:55:41 2002

Return-Path: <schwabac@email.arc.nasa.gov>

Received: from mymr2.arc.nasa.gov (IDENT:mirapoint@mymr2.arc.nasa.gov [128.102.31.5])

by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id KAA19938

for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 10:56:55 -0800 (PST)

Received: from email.arc.nasa.gov (email.arc.nasa.gov [143.232.64.51])

by mymr2.arc.nasa.gov (Mirapoint)

with ESMTTP id AAY66383;

Mon, 18 Mar 2002 10:56:53 -0800 (PST)

Received: from mercury (mercury.arc.nasa.gov [143.232.65.47])

by email.arc.nasa.gov (-- Info omitted by ASANI Solutions, LLC.) with ESMTTP id g2IIurX13555

for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 10:56:53 -0800 (PST)

From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>

To: "Tom Hinke" <thinke@mail.arc.nasa.gov>

Subject: ~~Mark has PNR expert available today~~

Date: Mon, 18 Mar 2002 10:56:46 -0800

Message-ID: <000701c1ceae\$a71eced0\$2f41e88f@mercury>

MIME-Version: 1.0

Content-Type: text/plain;

charset="us-ascii"

Content-Transfer-Encoding: 7bit

X-Priority: 3 (Normal)

X-MSMail-Priority: Normal

X-Mailer: Microsoft Outlook, Build 10.0.3416

In-Reply-To: <a05101501b8bbe2a3847f@[198.9.13.95]>

Importance: Normal

X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000

X-UIDL: 97b26ad7c7a83c215183ebfc7798a3fb

Status: RO

Tom,

I will make the call at 1:30.

Mark

> ----- ~~Message~~ Message-----

> From: Tom Hinke [mailto:thinke@mail.arc.nasa.gov]

> Sent: Monday, March 18, 2002 10:32 AM

> To: mark.schwabacher@mail.arc.nasa.gov

> Subject: Jay has PNR expert available today

>

>

>

> --

> Mark,

>

> Jay has a PNR expert that will be available at 1:30 our time today.

> He suggested that you call him at 612-726-4226 today and ask for him

> (this is his secretary's number).

>

> Please let me know if you got this.

>

> Thanks.
>
> tom
>

EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 36

From ???@??? Mon Mar 18 19:55:40 2002
Return-Path: <schwabac@email.arc.nasa.gov>
Received: from mymr1.arc.nasa.gov (IDENT:mirapoint@mymr1.arc.nasa.gov
[128.102.31.4])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id KAA09056
for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 10:59:17 -0800 (PST)
Received: from email.arc.nasa.gov (email.arc.nasa.gov [143.232.64.51])
by mymr1.arc.nasa.gov (Mirapoint)
with ESMTTP id AAW94530;
Mon, 18 Mar 2002 10:59:15 -0800 (PST)
Received: from mercury (mercury.arc.nasa.gov [143.232.65.47])
by email.arc.nasa.gov (-- Info omitted by ASANI Solutions, LLC.) with
ESMTTP id g2IIxAFX13661
for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 10:59:15 -0800 (PST)
From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>
To: "Tom Hinkel" <thinke@mail.arc.nasa.gov>
Subject: RE: ~~Jay has PNR expert available today~~
Date: Mon, 18 Mar 2002 10:59:08 -0800
Message-ID: <000801c1ceae\$fb951f50\$2f41e88f@mercury>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook, Build 10.0.3416
In-Reply-To: <a05101501b8bbe2a3847f@[198.9.13.95]>
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-UIDL: b2f04bcb1521b4bd59823faa7d35fc99
Status: RO

Hi Tom,

Your voicemail said that his phone number was -4426, but your e-mail says -4226. Which is it? Thanks,

Mark

> ----- ~~Original~~ Message-----
> From: Tom Hinkel [mailto:thinke@mail.arc.nasa.gov]
> Sent: Monday, March 18, 2002 10:32 AM
> To: mark.schwabacher@mail.arc.nasa.gov
> Subject: Jay has PNR expert available today
>
>
>
> --
> Mark,
>
> Jay has a PNR expert that will be available at 1:30 our time today.
> He suggested that you call him at 612-726-4226 today and ask for him
> (this is his secretary's number).
>
> Please let me know if you got this.
>

> Thanks.
>
> tom
>

From ???@??? Mon Mar 18 11:18:09 2002
Return-Path: <schwabac@email.arc.nasa.gov>
Received: from mymrl.arc.nasa.gov (IDENT:mirapoint@mymrl.arc.nasa.gov [128.102.31.4])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id KAA09056
for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 10:59:17 -0800 (PST)
Received: from email.arc.nasa.gov (email.arc.nasa.gov [143.232.64.51])
by mymrl.arc.nasa.gov (Mirapoint)
with ESMTTP id AAW94530;
Mon, 18 Mar 2002 10:59:15 -0800 (PST)
Received: from mercury (mercury.arc.nasa.gov [143.232.65.47])
by email.arc.nasa.gov (-- Info omitted by ASANI Solutions, LLC.) with
ESMTTP id g2IIxFX13661
for <thinke@mail.arc.nasa.gov>; Mon, 18 Mar 2002 10:59:15 -0800 (PST)
From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>
To: "Tom Hinke" <thinke@mail.arc.nasa.gov>
Subject: RE: Jay has PNR expert available today
Date: Mon, 18 Mar 2002 10:59:08 -0800
Message-ID: <000801c1ceae\$fb951f50\$2f41e88f@mercury>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook, Build 10.0.3416
In-Reply-To: <a05101501b8bbe2a3847f@[198.9.13.95]>
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-UIDL: b2f04bcb1521b4bd59823faa7d35fc99

Hi Tom,

Your voicemail said that his phone number was -4426, but your e-mail says -4226. Which is it? Thanks,

Mark

> -----Original Message-----

> From: Tom Hinke [mailto:thinke@mail.arc.nasa.gov]
> Sent: Monday, March 18, 2002 10:32 AM
> To: mark.schwabacher@mail.arc.nasa.gov
> Subject: Jay has PNR expert available today

>
>
>
> --

> Mark,

>
> Jay has a PNR expert that will be available at 1:30 our time today.
> He suggested that you call him at 612-726-4226 today and ask for him
> (this is his secretary's number).

>
> Please let me know if you got this.
>
> Thanks.
>
> tom
>

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Documents Disclosed on April 27, 2004

Document No. 37

</x-charset>

From: ???@??? Wed Apr 17 14:06:05 2002
Return-Path: <schwabac@email.arc.nasa.gov>
Received: from mercury (mercury.arc.nasa.gov [143.232.65.47])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id NAA23532
for <thinke@mail.arc.nasa.gov>; Wed, 17 Apr 2002 13:56:21 -0700 (PDT)
From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>
To: "Thomas H. Hinke" <thinke@mail.arc.nasa.gov>
Subject: ~~FW: PNR's~~
Date: Wed, 17 Apr 2002 13:56:04 -0700
Message-ID: <000e01cle652\$49dc84e0\$2f41e88f@mercury>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook, Build 10.0.3416
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Importance: Normal
X-UIDL: 1040bbbc522af17afad74f745e3c3525

-----~~Original~~ Message-----

From: Raelynn Sink [mailto:raelynn.sink@nwa.com]
Sent: Tuesday, April 09, 2002 2:40 PM
To: Mark Schwabacher
Cc: jay.dombrowski@nwa.com; diane.martell@nwa.com
Subject: Re: PNR's

Hi Mark: - Sorry, we will be in touch -- the PNR BAS item and DIR documentation resides at WORLDSPAN. Instructions (where to look, and maybe what to look for) will depend on if you end up using DIR PNR formatting. I did send you an example of the DIR PNR previously....assume you got that.

Thanks, Raelynn

Raelynn Anderson Sink
E-Commerce / Northwest Airlines, Inc.
rasink@nwa.com, (612) 727-4136 phone, (612) 726-4572 fax

-----~~Original~~ Message -----

From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>
To: "'Raelynn Sink'" <raelynn.sink@nwa.com>
Cc: <jay.dombrowski@nwa.com>; <diane.martell@nwa.com>
Sent: Tuesday, April 09, 2002 4:23 PM
Subject: ~~PNR's~~

> Raelynn,

>

> Please remember to send me the following three things that we
> discussed during our telecon of March 18:
>
> 1. Documentation of the codes used in PNR's
> 2. Software to extract phone numbers from PNR's
> 3. A snapshot of the live PNR's in DIR PNR format (and documentation
> for the DIR PNR format)
>
> Thank you!
>
> Mark
>
> --
> Dr. Mark Schwabacher
> NASA ARC, Code IC
> 650-604-4274
> <http://ic.arc.nasa.gov/~schwabac/>
>
>

EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 38

From ???@??? Mon Jan 21 10:32:17 2002
Return-Path: <schwabac@email.arc.nasa.gov>
Received: from mymr1.arc.nasa.gov (IDENT:mirapoint@mymr1.arc.nasa.gov [128.102.31.4])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTTP id RAA02214;
Fri, 18 Jan 2002 17:58:42 -0800 (PST)
Received: from email.arc.nasa.gov (email.arc.nasa.gov [143.232.64.51])
by mymr1.arc.nasa.gov (Mirapoint)
with ESMTTP id ADP04227;
Fri, 18 Jan 2002 17:58:42 -0800 (PST)
Received: from mercury (mercury.arc.nasa.gov [143.232.65.47])
by email.arc.nasa.gov (-- Info omitted by ASANI Solutions, LLC.) with
ESMTTP id RAA02972;
Fri, 18 Jan 2002 17:58:41 -0800 (PST)
From: "Mark Schwabacher" <schwabac@email.arc.nasa.gov>
To: <todd.murr@nwa.com>
Cc: "Thomas H. Hinke" <thinke@mail.arc.nasa.gov>,
"John E. Melton" <jmelton@mail.arc.nasa.gov>
Subject: ~~PNR data~~
Date: Fri, 18 Jan 2002 17:57:22 -0800
Message-ID: <002901c1a08c\$a2a284f0\$2f41e88f@mercury>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook, Build 10.0.2627
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-UIDL: 2e196d8a4a3c28054995304a35d942f8

Todd,

Thank you again for providing us with 3 CD-ROMs containing the November 1st NWA PNR data. As you may know, we will be having a government-only workshop on aviation security here at NASA Ames next week. Would it be OK with you if we presented at the workshop some data mining results obtained using this NWA PNR data?

Mark

--

Dr. Mark Schwabacher
NASA ARC, Code IC
650-604-4274
<http://ic.arc.nasa.gov/~schwabac/>

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Document No. 39

From ???@??? Fri Jan 25 08:52:42 2002
Return-Path: <schwabac@email.arc.nasa.gov>
Received: from mymr3.arc.nasa.gov (IDENT:mirapoint@mymr3.arc.nasa.gov
[128.102.31.21])
by mail.arc.nasa.gov (8.9.3/8.9.3) with ESMTMP id WAA17896;
Wed, 23 Jan 2002 22:29:10 -0800 (PST)
Received: from mta6.snfc21.pbi.net (mta6.snfc21.pbi.net [206.13.28.240])
by mymr3.arc.nasa.gov (Mirapoint)
with ESMTMP id ABA58948;
Wed, 23 Jan 2002 22:29:09 -0800 (PST)
Received: from mercury ([63.201.32.63])
by mta6.snfc21.pbi.net (iPlanet Messaging Server 5.1 (built May 7 2001))
with ESMTMP id <OGQF00139J2W2F@mta6.snfc21.pbi.net>; Wed,
23 Jan 2002 22:29:06 -0800 (PST)
Date: Wed, 23 Jan 2002 22:21:59 -0800
From: Mark Schwabacher <schwabac@email.arc.nasa.gov>
Subject: NWA PNR data
To: "Murr, Todd E" <todd.murr@nwa.com>,
Jay Dombrowski <Jay.Dombrowski@nwa.com>
Cc: "Thomas H. Hinke" <thinke@mail.arc.nasa.gov>,
Robert Rosen <rrosen@mail.arc.nasa.gov>,
"Thomas A. Edwards" <tedwards@mail.arc.nasa.gov>,
"John E. Melton" <jmelton@mail.arc.nasa.gov>
Message-id: <000f01c1a49f\$6e3336d0\$0200a8c0@mercury>
MIME-version: 1.0
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Mailer: Microsoft Outlook, Build 10.0.2627
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT
Importance: Normal
X-Priority: 3 (Normal)
X-MSMail-priority: Normal
X-UIDL: cb244681b12a3cbd42ccb45ae115b9cd

Todd and Jay,

Thank you again for providing us with one day's worth of Northwest Airlines passenger data, and for giving us permission to present the data mining results that we obtained using this data at a government-only workshop.

I would like to repeat two related requests that we made in December:

1. Some of the data on the CD's that you gave us (passenger name and flight information) is in ASCII files that we have been able to use. But some of the data is binary "DAF" files that we have been unable to read. We would like you to provide us with either a document describing the format of the DAF files, or software that can read the DAF files.

2. We would like 3 months worth of NWA PNR data.

Could you please give us an estimate of when we can expect each of these two items?

Thank you very much.

Mark

--

Dr. Mark Schwabacher

NASA ARC, Code IC

650-604-4274

<http://ic.arc.nasa.gov/~schwabac/>

EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 40

(B)(6)

From ???@??? Fri Dec 21 16:21:25 2001
To [REDACTED]
From: "Thomas H. Hinke" <thinke@mail.arc.nasa.gov>
Subject: Re: NWA data
Cc:
Bcc:
X-Attachments:
In-Reply-To: <20011221235719.3163.qmail@web11006.mail.yahoo.com>
References: <200112212325.PAA20839@sun556.nas.nasa.gov>
Message-Id: <4.3.2.7.2.20011221162003.01ac0318@mail.arc.nasa.gov>
X-Eudora-Signature: <Standard>

<html>
John,

Rather than people spending a lot of time trying to decode the CDs, is there someone that could be contacted at Northwest to get a description of the data. I would be happy to email Jay, but I did not want to do that until I knew whether you had already emailed him

tom

At 03:57 PM 12/21/2001, you wrote:

<blockquote type=cite cite> Trang,

(B)(5)

 [REDACTED]

 JM

--- "Trang K. Duong" <duong@nas.nasa.gov> wrote:

> Hi John,

>

> I gave Mark Schwabacher a copy of MWA data. His

> group (IC) will give us a hand

> on populating the data into database. >

> Trang

>

>

> ----- Begin Forwarded Message -----

>

> From: "Mark Schwabacher",

> <a href="http://www.eloret.com/"
eudora="autourl">http://www.eloret.com/

>

>

>

Do You Yahoo!?!

Send your FREE holiday greetings online!

<a href="http://greetings.yahoo.com/"
eudora="autourl">http://greetings.yahoo.com</blockquote></html>

EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 41

From ???@??? Mon Jan 21 10:39:23 2002
To: Mark Schwabacher <schwabac@email.arc.nasa.gov>
From: "Thomas H. Hinke" <thinke@mail.arc.nasa.gov>
Subject: Re: FW: PNR data
Cc:
Bcc:
X-Attachments:
In-Reply-To: <000901c1a2a7\$blab5b80\$0200a8c0@mercury>
References:
Message-Id: <4.3.2.7.2.20020121103715.01bbfbc8@mail.arc.nasa.gov>
X-Eudora-Signature: <Standard>

<html>

Mark,

I would let Bob know and copy Huy so, as you say, he is not surprised. This is good news. Just for your information, Tom Edwards and Huy are coming over this morning to see the demo. If you are in and want to be here to show the data mining material, that would be useful. Otherwise, I found the slides and the emacs file and was prepared to show it, although I have not had time to really study the emacs file to understand each of the clusters. We don't have a time yet, but Huy is supposed to call prior to coming.

tom

At 10:16 AM 1/21/2002, you wrote:

<blockquote type=cite cite>Tom,

Good news! I got permission from Todd Murr to present the data mining
results from the NWA data at the workshop. Do you think we should let
Bob Rosen know about this before the workshop, so that he won't be
surprised when he sees us presenting the results?

I also have preliminary results from running Gritbot and Autoclass on
the lobbyists/LN data set, which I plan to get to you by the end of the
day.

-- Mark

-----Original Message-----

From: Murr, Todd E [<mailto:todd.murr@nwa.com>]

eudora="autourl"><mailto:todd.murr@nwa.com>]

Sent: Monday, January 21, 2002 8:13 AM

To: Mark Schwabacher

Subject: RE: PNR data

I have no problems with this as long as the data is used only in this
gov't to gov't meeting.

-----Original Message-----

From: Mark Schwabacher [<mailto:schwabac@email.arc.nasa.gov>]

eudora="autourl"><mailto:schwabac@email.arc.nasa.gov>]

Sent: Monday, January 21, 2002 9:34 AM

To: Murr, Todd E

Cc: Thomas H. Hinke; John E. Melton

Subject: RE: PNR data

Todd,

(B)(5)

[REDACTED]

[REDACTED]

I'd like to present a slide which says the same thing that I've said in

this e-mail.

Thanks again,

Mark

> -----Original Message-----

> From: Murr, Todd E [<mailto:todd.murr@nwa.com>]
> eudora="autourl"><mailto:todd.murr@nwa.com>

> Sent: Monday, January 21, 2002 7:22 AM

> To: Mark Schwabacher

> Subject: RE: PNR data

>

>

> Do you have a sample or can you characterize the information

> you would like to present.

>

> -----Original Message-----

> From: Mark Schwabacher [<mailto:schwabac@email.arc.nasa.gov>]
> eudora="autourl"><mailto:schwabac@email.arc.nasa.gov>

> Sent: Friday, January 18, 2002 7:57 PM

> To: Murr, Todd E

> Cc: Thomas H. Hinke; John E. Melton

> Subject: PNR data

>

>

> Todd,

>

> Thank you again for providing us with 3 CD-ROMs containing

> the November 1st NWA PNR data. As you may know, we will be

> having a government-only workshop on aviation security here

> at NASA Ames next week. Would it be OK with you if we

> presented at the workshop some data mining results obtained

> using this NWA PNR data?

>

> Mark

>

> --

> Dr. Mark Schwabacher

> NASA ARC, Code IC

> 650-604-4274

> <a href="http://ic.arc.nasa.gov/~schwabac/"
eudora="autourl">http://ic.arc.nasa.gov/~schwabac/

>

> </blockquote></html>

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Document No. 42

From: Thomas H. Hinke <Thomas.H.Hinke@nasa.gov>
Date: Mon Sep 29, 2003 10:22:17 AM US/Pacific
To: Daniel.j.clancy@nasa.gov
Cc: Walt Brooks <wbrooks@mail.arc.nasa.gov>
Subject: Fwd: Northwest Airlines Data

Dan,

b)(5) [Redacted]

Begin forwarded message:

From: Thomas H. Hinke <Thomas.H.Hinke@nasa.gov>
Date: Mon Sep 29, 2003 10:05:36 AM US/Pacific
To: Dave Korsmeyer <david.j.korsmeyer@nasa.gov>, Walt Brooks <wbrooks@mail.arc.nasa.gov>, William R. Van Dalsem <"William R. Van Dalsem" <wvandalsem@mail.arc.nasa.gov>>, huy Tran <htran@mail.arc.nasa.gov>
Cc: Thomas Edwards <tedwards@mail.arc.nasa.gov>, Mark Schwabacher <schwabac@email.arc.nasa.gov>, William Thigpen <William.W.Thigpen@nasa.gov>
Subject: Re: Northwest Airlines Data

All,

b)(5) [Redacted]

tom



B)(5) Sept 27 2003.doc (28.8 KB)



B)(5) Final Aviation Security R... (627 KB)

On Sunday, September 28, 2003, at 09:07 PM, Dave Korsmeyer wrote:

Tom, Mark,

I don't know if you saw, but a news story recently came out about the NW airlines data that NASA requested. <http://washingtontimes.com/national/20030926-104922-8318r.htm>

I know that we are not using any of the data this year, and that you had intended to return it to NW airlines (see msg below). Have you yet been able to do so? Do you need some assistance?

Thanks,

- Dave

At 9:38 AM -0800 2/4/03, Thomas H. Hinke wrote:

Dave and Mark,



[REDACTED]
tom

Thomas H. Hinke, M.B.A., Ph.D.
Senior Scientist
NASA Advanced Supercomputing (NAS) Division
NASA Ames Research Center
Mail Stop 258-5
Moffett Field, CA 94035-1000
Phone: (650) 604-3662
FAX: (650) 604-4377

David J. Korsmeyer, Ph.D.
Chief (acting), Computational Sciences Division, M/S 269-1
NASA Ames Research Center, Moffett Field, Ca 94035
650-604-3114 Wk, 650-604-3594 Fax
david.j.korsmeyer@nasa.gov :: <http://ic.arc.nasa.gov/>

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EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 43

From: Thomas H. Hinke <Thomas.H.Hinke@nasa.gov>
Date: Fri Sep 26, 2003 2:36:51 PM US/Pacific
To: Jonas Dino <jonas.dino@nasa.gov>
Subject: Re: research using Northwest Airlines PNR Data

Jonas,

Attached is the report covering our work. I am still working on the questions.

tom



3)(5) [Final Aviation Security R... \(627 KB\)](#)

On Friday, September 26, 2003, at 02:00 PM, Jonas Dino wrote:

Hello Dr. Hinke,

(5) [Redacted]

[Redacted]

[Redacted]

[Redacted]

Thomas H. Hinke, M.B.A., Ph.D.

Senior Scientist
NASA Advanced Supercomputing (NAS) Division
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EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 44

From: Thomas H. Hinke <Thomas.H.Hinke@nasa.gov>
Date: Sat Sep 27, 2003 10:45:45 AM US/Pacific
To: William Thigpen <bthigpen@mail.arc.nasa.gov>
Subject: Fwd: research using Northwest Airlines PNR Data

Bill,

FYI.

tom:

Begin forwarded message:

From: Thomas H. Hinke <Thomas.H.Hinke@nasa.gov>
Date: Sat Sep 27, 2003 10:20:25 AM US/Pacific
To: Jonas Dino <jonas.dino@nasa.gov>
Cc: Walt Brooks <wbrooks@mail.arc.nasa.gov>
Subject: Re: research using Northwest Airlines PNR Data

Jonas,

With a little more time to collect my thoughts and recollections of this project, I have clarified some of the points that I made in the previous submission and have attached the revision.

tom:



(B)(5) Sept 27 2003.doc (28.8 KB)

On Friday, September 26, 2003, at 02:00 PM, Jonas Dino wrote:

Hello Dr. Hinke,

(B)(5) [Redacted content]

[REDACTED]

Thank you very much,
Jonas Dino

Jonas Dino
Public Affairs Officer/Web Manager
Public Affairs Office
650/604-5612
amesnews.arc.nasa.gov

Thomas H. Hinke, M.B.A., Ph.D.
Senior Scientist
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EPIC v. NASA

Documents Disclosed on April 27, 2004

Document No. 45

From: Thomas H. Hinke <Thomas.H.Hinke@nasa.gov>
Date: Mon Sep 29, 2003 1:18:57 PM US/Pacific
To: Jonas Dino <jonas.dino@nasa.gov>
Cc: Thomas A Edwards <Thomas.Edwards@nasa.gov>, Thomas H Hinke <thinke@mail.arc.nasa.gov>
Subject: Re: NWA RTQ final technical review.

Jonas,

I had a few comments, I marked up the attached document with change tracking on so you can see my comments.

tom



(b)(5) RTQNWA9-29th.doc (34.8 KB)

On Monday, September 29, 2003, at 12:49 PM, Jonas Dino wrote:

| <RTQNWA9-29.doc>

Thomas H. Hinke, M.B.A., Ph.D.
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